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# ARMY EMPLOYMENT CIVILIAN JOBS

A Guide to Civilian Occupations  
Related to Army Employment

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DEPARTMENT OF NATIONAL DEFENCE

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# FOREWORD

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## *A Message to Canadian Industry*

*from*

General H. D. G. Crerar, C.H., C.B., D.S.O.,

*formerly*

General Officer Commanding-in-Chief, First Canadian Army.

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The war is over and the forces of oppression have been effectively crushed. As a result the door to a future based on enterprise, initiative and opportunity has once more been opened to Canadian Business. To take advantage fully of the great future which this country of ours offers, and for which Canadians have sacrificed so much, you will need men of courage and initiative, purposeful and of sound judgment.

I know where such men may be found. I have judged their ability—not merely by watching them, but by living with them, working with them, fighting with them—and so I know them. Thus I recommend to you the veterans of Canada's Army, confident that the very qualities of loyalty, initiative and unflinching determination which made them the best troops in the world, will also be the qualities you will need in your employees.

During the time which they have spent in the Service, the men and women of Canada's Army have gained numerous and varied skills, and a wide experience which will stand them in good stead as civilians, and which will fit them to take their place as better citizens of Canada. Through their Army training, many of these veterans have become experts in trades of which they knew little or nothing prior to their service. Others have used skills which they formerly possessed, and have increased these skills during their Army life. All these trades and skills should be, and will be, of great value to these men and women in their civilian life, and particularly to you as their employers.

In your hands lies much of the veteran's future—I am confident the veteran will, in turn, play an invaluable part in helping you build a greater, stronger, and a more prosperous Canada.

*H. D. G. Crerar,*  
*General.*



**THIS GUIDE WAS PREPARED BY THE  
DEPARTMENT OF LABOUR.**

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**BASIC MATERIAL FOR THE DESCRIPTION OF ARMY  
TRADES WAS PROVIDED BY THE DEPARTMENT OF  
NATIONAL DEFENCE.**

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The material concerning Civilian Employments and Fields of Work was developed and correlated with the material concerning Military Trades and Specialties by the Occupational Research Division, Research and Statistics Branch, Department of Labour, under the direction of Dr. J. G. Dumouchel, through the efforts of workers of that Division under the supervision of Mr. A. G. Kerr.

In this connection special thanks should go to Mr. Carl A. Heinz, Chief, Division of Occupational Analysis, U.S. War Manpower Commission, Washington, D.C., for his kindness in making available to the Division both Miss Evelyn Stager, Chief of Job Families Unit of this Division, who was instrumental in clarifying points at issue before the work was started, and Mrs. Virginia Nichols who assisted during the early stages of this project.

**ALLON PEEBLES,**  
*Director,*

**Research and Statistics Branch,  
Department of Labour.**

# INTRODUCTION

THE PURPOSE OF THE GUIDE is to assist employers in selecting jobs that are suitable for ex-service personnel, and to assist ex-service personnel in making the most efficient use of their Army training and experience when returning to civilian employment.

The *Guide* will be generally useful as a dictionary of Army trades and employments and particularly useful to Counsellors, Employment Officers and employers in suggesting suitable new or alternative kinds of work for the following ex-service personnel:

- (a) Those who prefer their Army specialties to their former civilian occupations.
- (b) Those without civilian occupation prior to enlistment.
- (c) Those whose former occupations and/or civilian counterpart of their Army training is over-crowded.
- (d) Those desiring better postwar jobs by utilizing the skills acquired under Army training together with the skills which they had achieved in civilian life.

THE CONTENTS consist of individual studies of all the trades and major non-trade specialties found in the Canadian Army. The material in each study is arranged as follows:

- (a) The title and description of the Army trade or non-trade specialty, followed by
- (b) A list of civilian occupations related to such trade or non-trade specialty, followed by
- (c) Fields of work related to such trade or non-trade specialty.

In describing each Army trade or specialty only the following elements have been considered:

The work done.

The materials used.

The tools used.

The machines and equipment used.

The knowledge and skills required.

Only the Army job is described, not the worker who performs it. The description does not include those desirable physical, mental and emotional qualities displayed by the ideal worker on the job.

USE OF THE GUIDE must always be supplemental—in all proper counselling, guidance and placement work—to the careful, objective examination of each individual's education and experience, personal characteristics and circumstances. Used in this way, the *Guide* will admirably serve the purpose for which it has been created, namely, to disclose for each Army trade or specialty a variety of civilian jobs which are related in their work elements to the Army job.

It must always be remembered that job elements are more easily measured and defined than individual human qualities. The individual man or woman is exceedingly complex in skill, training and experience, motives and character. A standardized guide of this kind provides but one of the many ways by which an individual may be viewed and measured if his suitability for a particular type of work is to be accurately gauged.



THE PROCEDURE set forth below will be most helpful in suggesting jobs or fields of work for a particular individual.

I Ascertain from the soldier's documents or from the man himself the particulars of:

- (a) Army training and employment.
- (b) Civilian education, occupation and experience.
- (c) Work preferences.
- (d) Other personal circumstances, abilities and characteristics.

II Read carefully in the *Guide* the description of the Army trade or specialty and check against it the individual's actual experience and Army trade Group in that work.

In this respect note the following:

(a) Army trade Groups are three in number and represent the following levels of skill:

Group C—apprentice or helper level,

Group B—improver level,

Group A—journeyman level.

- (b) Where the description of a trade or specialty combines the three Groups without distinction it is because the work elements are common throughout and the variation or distinction is one of degree of skill or measure of responsibility.
- (c) Where Groups are separately described an individual qualified in the higher will also have qualified in the lower; hence the description of the lower trade Groups should be read in conjunction with the higher trade Groups.
- (d) On occasion an individual will claim qualifications in a trade the title of which is obsolete; such are listed and cross-referenced at the end of the volume.

III Refer next to the list of civilian occupations related to the Army trade described to find possible civilian occupations suitable for the particular individual.

Concerning these note:

- (a) These job titles are contained in the U.S. *Dictionary of Occupational Titles, Part I (Definition of Titles)* to which reference may be made for definitions. Canadian occupational terminology is similar to that used in the United States but where there is a difference the *Guide* includes the Canadian term in italics.
- (b) The industrial field in which the occupation exists is shown in brackets after the title. "Any Industry" indicates existence of the job in several industrial fields.
- (c) Code numbers shown to the right of each job title are those used in the *Dictionary of Occupational Titles, Part II (Group Arrangement of Occupational Titles and Codes)*. Reference to this volume under such code number will indicate other closely allied jobs.
- (d) These related civilian occupations are in three grades:
  - (i) Those requiring no additional training or brief on-the-job training varying from one day to a month.
  - (ii) Those requiring additional training in special techniques along the lines indicated.
  - (iii) Those requiring considerable additional training along the lines indicated.
- (e) The list of related civilian occupations is not exhaustive. The aim has been to set forth a reasonable number of commonly related occupations.



IV For further information concerning less closely related civilian occupations refer to the related fields of work shown at the end of each study. The titles and codes noted here enable reference to be made to the *Dictionary of Occupational Titles, Part IV (Entry Occupational Classification)* in which will be found a further list of jobs which, though not so closely related to the Army trade as the civilian occupations listed in the *Guide*, have much in common with it and belong to the same broad field of occupational activity.

This Entry Occupational Classification will also be of help in matching Army trades and pre-war civilian experience to fields of work in which all skills acquired may be used.

#### SUPPLEMENTARY REFERENCES

1. **Dictionary of Occupational Titles, Part I (Definition of Titles)**, 1,287 pages, June 1939, Price \$2.00. **Supplement to the Dictionary of Occupational Titles, Edition II**, 525 pages, July 1943, Price 60c.
2. **Dictionary of Occupational Titles, Part II (Group Arrangement of Occupational Titles and Codes)**, 330 pages, June 1939, Price \$1.00.
3. **Dictionary of Occupational Titles, Part IV (Entry Occupational Classification)**, 242 pages, October 1944, Price 35c.

These may be purchased from the Superintendent of Documents, United States Government Printing Office, Washington, D.C.



## ACCOUNTANT (SIGNALS) (ARMY TRADE GROUP C)

Keeps accounting ledgers for Signals' stores: makes neat and accurate ledger entries; fills out army forms correctly, using proper military nomenclature for stores; interprets service abbreviations encountered in the work.

Must have a good general knowledge of the equipment and stores dealt with by his corps. Must be able to write and print legibly.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

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#### I Occupations requiring brief on-the-job training:

ACCOUNTING CLERK (clerical & kindred).....	1-01.31
BALANCE CLERK (clerical & kindred).....	1-01.33
BOOKKEEPER (III) (clerical & kindred).....	1-01.03
ENTRY CLERK (III) (clerical & kindred).....	1-01.36
LEDGER CLERK (clerical & kindred).....	1-01.43
STOCK CLERK (clerical & kindred).....	1-38.01
STOCK-CONTROL CLERK (clerical & kindred).....	1-38.04

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#### II Occupations requiring brief additional training in the techniques of operating various kinds of office machines:

ADDING-MACHINE OPERATOR (clerical & kindred).....	1-25.12
ANALYSIS-MACHINE OPERATOR (light, heat, & power).....	1-25.61
BILLING CLERK (II) (clerical & kindred).....	1-18.82
BOOKKEEPING-MACHINE OPERATOR (III) (clerical & kindred).....	1-02.03
CALCULATING-MACHINE OPERATOR (clerical & kindred).....	1-25.13
CHECK-WRITING-MACHINE OPERATOR (clerical & kindred).....	1-25.91
POSTING-MACHINE OPERATOR (II) (clerical & kindred).....	1-02.04

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#### III Occupations requiring considerable additional training in a variety of clerical duties involving public contacts:

CASHIER (II) (clerical & kindred).....	1-01.53
CREDIT AUTHORIZER (clerical & kindred).....	1-12.01
EMPLOYMENT CLERK (clerical & kindred).....	1-18.31
PERSONNEL CLERK (clerical & kindred).....	1-18.32
ROOM CLERK (hotel & restaurant).....	1-07.60
SERVICE-DESK CLERK (retail trade).....	1-12.36
TELEPHONE SOLICITOR (any industry).....	1-55.20
TICKET AGENT (air transportation; motor vehicle transportation; rail- road transportation; water transportation).....	1-44.12

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### RELATED FIELDS OF WORK

Equipment and Material Checking.....	1-X2.8
General Recording Work.....	1-X2.0
Routine Recording Work.....	1-X2.9



# ACCOUNTANT (SIGNALS) (ARMY TRADE GROUPS B and A)

In addition to duties of Accountant (Signals) (Group C), devises, or executes previously devised, accounting systems covering military transactions: handles issue, receipt, certificate, transfer and expense vouchers and packing notes and shipping bills; adjusts discrepancies; examines and audits ledger entries; audits and keeps general record systems; prepares balance sheets; analyzes and verifies military finance records to ensure that there is no error or fraud in the entry.

Must have a detailed knowledge of the publications dealing with stores and equipment used in his work in Signals. The Accountant (Signals) (Group A) must possess a thorough knowledge of annual estimates, audit observations, and ration and clothing ledgers.

RELATED CIVILIAN EMPLOYMENT	Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>	
ACCOUNTING CLERK (clerical & kindred).....	1-01.31
AUDIT CLERK (clerical & kindred).....	1-01.32
BOOKKEEPER (II) (clerical & kindred).....	1-01.02
BUDGET CLERK (clerical & kindred).....	1-01.05
COST CLERK (II) (clerical & kindred).....	1-01.35
INVENTORY CLERK (clerical & kindred).....	1-01.41
NIGHT AUDITOR (hotel & restaurant).....	1-01.02
<b>II Occupations requiring brief additional training in methods of supervising office personnel; or in administration duties; or in methods of collecting accounts; or in techniques of devising clerical systems and routines:</b>	
CHIEF CLERK (any industry).....	0-97.13
CLERICAL TECHNICIAN (professional & kindred).....	0-69.97
JUNIOR EXECUTIVE (any industry).....	0-97.14
MANAGER, CREDIT AND COLLECTION (any industry).....	0-85.10
MANAGER, FRONT OFFICE (hotel & restaurant).....	1-07.30
MANAGER, OFFICE (any industry).....	0-97.12
STATISTICAL TECHNICIAN (professional & kindred).....	0-28.30
<b>III Occupations requiring considerable additional technical training in the application of principles of accounting; or in cost analysis and control:</b>	
ACCOUNTANT, COST (professional & kindred).....	0-01.10
ACCOUNTANT, GENERAL (professional & kindred).....	0-01.20
ACCOUNTANT, PUBLIC; <i>Accountant, Chartered</i> (professional & kindred).....	0-01.30
ACCOUNTANT, TAX (professional & kindred).....	0-01.40
AUDITOR (professional & kindred).....	0-01.60
BUDGET ENGINEER (light, heat, & power).....	0-01.50
CONTROLLER (professional & kindred).....	0-01.70
<b>RELATED FIELDS OF WORK</b>	
Accounting and Related Work.....	0-X7.11
Equipment and Material Checking.....	1-X2.8
General Recording Work.....	1-X2.0

For additional information see ACCOUNTANT (SIGNALS) (ARMY TRADE GROUP C).

# AMMUNITION EXAMINER (ARMY TRADE GROUPS C, B, and A)

Examines ammunition for serviceability; opens boxes and containers; examines ammunition for cracks, splits, dents, corrosion and exudation; segregates defective stores or stores due for proofing; repairs ammunition where possible by replacing defective components; scrapes, repaints and greases ammunition cases; piles stores in magazine; takes storage temperature daily; demolishes unserviceable and dangerous stores; carries out periodic proofs by firing, burning, or detonating; makes heat tests on propellants and gelignites; compiles reports on storage, defects, and proof; supervises work parties in magazine area; advises on maintenance and handling of chemical warfare weapons.

Must know principles of correct storage of ammunition. Must understand handling and maintenance of chemical warfare weapons. Must know official publications relating to ammunition.

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## RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

### I Occupations not requiring additional training:

AMMUNITION-LOADING FOREMAN (ammunition & related products)	5-91.891
FOREMAN (ammunition & related products).....	5-91.891
FOREMAN (explosives).....	5-91.872
INSPECTOR (III) (ammunition & related products).....	4-54.037
MUNITIONS-HANDLER FOREMAN (ammunition & related products)..	5-91.891
PRIMER INSPECTOR (ammunition & related products).....	6-54.036
RENOVATION-PLANT FOREMAN (ammunition & related products)....	5-91.891
SHELL INSPECTOR (ammunition & related products).....	6-78.673

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### II Occupations requiring brief additional training to learn to use special measuring devices in the inspection of a variety of products:

BEARING INSPECTOR (machine manufacturing).....	6-94.651
CASTING INSPECTOR (foundry).....	6-82.920
CONDENSER INSPECTOR (radio manufacturing).....	6-98.060
CORE CHECKER (foundry).....	6-82.210
ELEMENT INSPECTOR (electrical equipment).....	7-00.116
GAGER (machine shop).....	6-78.672
METAL-STAMPING INSPECTOR (automobile manufacturing).....	6-94.218

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### III Occupations requiring considerable additional training in laboratory techniques used in testing ammunition and its components:

AMMUNITION-PROOF TECHNICIAN, CHIEF (ammunition & related products).....	0-50.54
INSPECTOR, FIREARMS (ammunition & related products).....	4-78.671
INSPECTOR, MATERIALS AND PROCESSES (ammunition & related products).....	0-50.53
ORDNANCEMAN; <i>Inspector, Ordnance</i> (ammunition & related products; explosives).....	0-50.52
PROOF DIRECTOR (ammunition & related products; firearms & guns)..	0-50.54
PROOF INSPECTOR (firearms & guns).....	6-93.778
PROOF TECHNICIAN (ammunition & related products; firearms & guns)	0-50.56

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## RELATED FIELDS OF WORK

Inspecting and Testing.....	6-X2.38
Managerial Work, Manufacturing.....	0-X8.41
Mechanical Testing.....	4-X6.386

## ARMAMENT ARTIFICER (ANTI-AIRCRAFT) (ARMY TRADE GROUP A)

### ARMAMENT ARTIFICER (FIELD) (ARMY TRADE GROUP A)

Inspects and supervises the repair of field artillery or anti-aircraft guns and associated stores in the field or workshop: inspects equipment for faults, using such measuring instruments as micrometers, calipers, height gauges and pressure gauges; supervises the disassembly and overhaul of breech mechanisms, buffers and recuperators, sights, elevating, traversing and brake gears, pumps and hydraulic jacks; replaces worn or damaged parts; supervises the reassembly of unit and the required machining, filing and scraping of parts as is required to secure correct clearance and tolerance; uses metalworking hand tools, and standard machine tools such as drills, grinders, lathes, millers and drill presses. May repair other types of equipment such as flame throwers, field cookers and machine tools.

Must be at least 21 years of age. Must have had a minimum of two years secondary school education and have a good general technical knowledge. Must be a superior Fitter. Must have successfully completed a course at Military College of Science in England or its equivalent in Canada.

Will have held the rank of Staff Sergeant or Warrant Officer.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<b>I Occupations requiring brief on-the-job training:</b>		
BENCH GRINDER (any industry).....		6-77.710
ENGINE-LATHE OPERATOR (I) (machine shop).....		4-78.011
HORIZONTAL-BORING-AND-MILLING-MACHINE OPERATOR (machine shop).....		4-78.042
MACHINIST (machine shop).....		4-75.010
MILLING-MACHINE OPERATOR (machine shop).....		4-78.031
PLANNER OPERATOR (machine shop).....		4-78.071
SINGLE-SPINDLE-DRILL-PRESS OPERATOR (machine shop).....		6-78.083
TURRET-LATHE OPERATOR (machine shop).....		4-78.021
<b>II Occupations requiring brief additional training in methods of industrial assembly, installation and inspection of a variety of mechanical units; or in techniques of tool and die making; or in setting and adjusting machine tools:</b>		
ASSEMBLER (firearms & guns).....		4-93.771
CONSTRUCTION-EQUIPMENT MECHANIC (construction).....		5-83.641
ENGINEERING-EQUIPMENT MECHANIC (construction).....		5-83.641
MASTER MECHANIC, MAINTENANCE (any industry).....		5-83.621
MILLWRIGHT (any industry).....		5-78.100
SALVAGE INSPECTOR (railroad locomotive & car building & repairing).....		5-79.040
TOOL-AND-DIE MAKER (machine shop).....		4-76.040
<b>III Occupations requiring considerable additional training in methods of machine shop inspection, or in directing and supervising mechanics; or in supervising the installation and operation of mechanical equipment:</b>		
FACTORY LAY-OUT MAN (professional & kindred).....		0-19.01
INSPECTOR (machine shop).....		4-78.671
JOB SETTER (machine shop).....		4-75.160
MACHINERY AND TOOL DESIGNER (professional & kindred).....		0-19.01
PLANT ENGINEER (professional & kindred).....		0-19.01
SUPERINTENDENT, PLANT (any industry).....		0-97.51
TOOL INSPECTOR (machine shop).....		4-76.220
<b>RELATED FIELDS OF WORK</b>		
All-Around Mechanical Repairing.....		4-X2.100
Dimensional Inspecting.....		4-X6.385
Managerial Work, Manufacturing.....		0-X8.41
Metal Machining.....		4-X2.01



## ARMAMENT ARTIFICER (ELECTRICAL) (ARMY TRADE GROUP A)

Supervises the inspection, installation, repair, maintenance and reconditioning of all electrical equipment except radio and wireless: organizes and directs the serving of vehicle and workshop electrical equipment such as lighting and ignition systems, generators, batteries, motors, chargers, accumulators and circuit breakers; instructs and directs subordinates in light machine shop jobs involving the use of electrician's standard tools and machine shop equipment.

Must be at least 21 years of age. Must have had a minimum of two years secondary school education and have a good general technical knowledge. Must have extensive knowledge of problems of maintenance and repair of electrical equipment and components. Must be a superior Electrician (Vehicle and Plant). Must have successfully completed a course at Military College of Science in England or its equivalent in Canada.

Will have held the rank of Staff Sergeant or Warrant Officer.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

CIRCUIT-BREAKER TESTER (electrical equipment) .....	6-99.433
ELECTRIC-MOTOR ANALYST (any industry) .....	5-83.431
ELECTRIC-MOTOR REPAIRMAN (any industry) .....	5-83.433
ELECTRICAL REPAIRMAN (any industry) .....	4-97.420
ELECTRICIAN (any industry) .....	4-97.010
ELECTRICIAN, POWERHOUSE (light, heat, & power) .....	4-97.510
TROUBLE MAN (light; heat, & power) .....	5-53.350

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#### II Occupations requiring brief additional training in all-around electrical work of installation, maintenance and repair as found in various industries; or in inspecting or testing electrical equipment:

BOARDMAN (motion picture) .....	4-97.110
ELECTRICAL-EQUIPMENT TESTER (aircraft manufacturing) .....	4-97.916
ELECTRICAL INSPECTOR (aircraft manufacturing) .....	4-97.930
ELECTRICAL-INSTRUMENT REPAIRMAN (any industry) .....	5-83.975
ELECTRICIAN, AIRPLANE (air transportation) .....	4-97.915
ELECTRICIAN, SHIP (ship & boat building & repairing) .....	4-97.210
ELECTRICIAN, STAGE (motion picture) .....	4-97.120
ELECTRICIAN, YARD (ship & boat building & repairing) .....	4-97.230
PROTECTIVE-SIGNAL INSTALLER (telephone & telegraph) .....	5-53.081

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#### III Occupations requiring considerable additional training in educational methods; or in techniques of electrical engineering; or in the study of light and its utilization in homes and industrial plants:

ELECTRICAL ENGINEER (professional & kindred) .....	0-17.01
ELECTRICIAN, CHIEF (any industry) .....	4-97.420
INSTRUCTOR, BASIC ELECTRICITY (education & instruction) .....	0-32.30
INSTRUCTOR, MACHINE SHOP (education & instruction) .....	0-32.30
LIGHTING EXPERT (light, heat, & power) .....	0-17.01
PLANT ENGINEER, ELECTRICAL (professional & kindred) .....	0-17.01
POWER-PLANT ENGINEER (professional & kindred) .....	0-17.01
VENTILATING ENGINEER (professional & kindred) .....	0-19.01

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### RELATED FIELDS OF WORK

Electrical Engineering and Related .....	0-X7.48
Electrical Equipment Repairing .....	4-X6.183

**ARMAMENT ARTIFICER (INSTRUMENT, ANTI-AIRCRAFT)  
(ARMY TRADE GROUP A)**

**ARMAMENT ARTIFICER (INSTRUMENT, COAST  
ARTILLERY) (ARMY TRADE GROUP A)**

**ARMAMENT ARTIFICER (INSTRUMENT, FIELD)  
(ARMY TRADE GROUP A)**

Makes mechanical optical or minor electrical repairs to army field or coast defence or anti-aircraft instruments and similar equipment, supervising general machine and instrument shop work: tests such gun units as the breech block, equilibrator, elevating and transversing mechanisms, gun bore by visual inspection and by use of such testing devices as Vernier caliper, pressure gauge, spirit level and micrometer; disassembles units to examine parts for wear, breaks and other undesirable conditions; makes replacement parts, if necessary, working from blue-prints; reassembles units, performing such machining, filing and scraping as is required to secure correct tolerances; tests, repairs and adjusts such instruments as binoculars, predictors, anti-aircraft plotters, rotary converters, range finders; fits new lenses, prisms, mirrors, and spirit bubbles to optical portions of instruments, and tests for performance; repairs cables and joints; traces and repairs electrical faults.

Must be at least 21 years of age. Must have had a minimum of two years secondary school education and have a good general technical knowledge. Must be a superior Instrument Mechanic. Must have successfully completed a course at Military College of Science in England or its equivalent in Canada.

Will have held the rank of Staff Sergeant or Warrant Officer.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<b>I Occupations requiring brief on-the-job training in the assembly or repair of precision instruments:</b>		
ELECTRICAL ADJUSTER (electrical equipment).....		5-00.933
ELECTRICAL-INSTRUMENT REPAIRMAN (any industry).....		5-83.975
FOREMAN (machine shop).....		5-92.768
INSTRUMENT MAKER (II) (any industry).....		4-75.130
INSTRUMENT MAKER (optical goods).....		5-08.066
INSTRUMENT MAN (instruments & apparatus).....		7-83.920
INSTRUMENT REPAIRMAN (petroleum refining).....		5-83.971
MACHINIST (machine shop).....		4-75.010
<b>II Occupations requiring brief additional training in the operation of small tools and precision machines for the fabrication of tools, dies, instruments, and watch or camera parts:</b>		
FOX-LATHE OPERATOR (clocks, watches & allied products).....		4-72.011
INSTRUMENT MAKER (electrical equipment).....		5-00.912
INSTRUMENT MAN; <i>Instrument Inspector</i> (air transportation; aircraft manufacturing).....		5-83.972
MACHINIST, CAMERA (motion picture).....		5-83.901
OPTICAL-INSTRUMENT FOREMAN (instruments & apparatus).....		5-92.903
TOOL-AND-DIE MAKER (machine shop).....		4-76.040
WATCH MACHINIST (clocks, watches & allied products).....		4-75.010

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**RELATED CIVILIAN EMPLOYMENT****Dictionary of  
Occupational  
Titles - Codes**

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**III Occupations requiring considerable additional training in the development of plans or designs for machines and machine tools; or in techniques of mechanical engineering; or in industrial methods of inspecting machine tools or machine shop products:**

AIR-CONDITIONING ENGINEER (professional & kindred).....	0-19.01
INSPECTOR (machine shop) .....	4-78.671
INSTRUMENTATION ENGINEER (professional & kindred).....	0-17.23
MECHANICAL ENGINEER, JUNIOR (professional & kindred).....	0-19.02
SALVAGE ENGINEER (professional & kindred).....	0-19.91
TOOL DESIGNER (professional & kindred).....	0-48.41
TOOL INSPECTOR (machine shop).....	4-76.220

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**RELATED FIELDS OF WORK**

All-Around Metal Machining.....	4-X2.010
Electrical Unit Assembling (Including Instrument Repair).....	4-X6.308
Engineering and Related.....	0-X7.4
Mechanical or Metal Unit Assembling and Related (Including Instrument Repair).....	4-X6.310
Optical Unit Assembling (Including Instrument Repair).....	4-X6.330

**ARMAMENT ARTIFICER (RADAR) (ARMY TRADE GROUP A)**

Supervises repairs performed in Radar Workshop and performs complex repairs, tests and adjustments to equipment: performs trouble shooting under operating conditions and isolates faults in chassis; supervises adjustment, testing and repair, in workshop, of complete equipment or its components; makes critical adjustments using various hand tools and electrical equipment such as voltmeters, wavemeters, B.F. oscillators, insulation testers and impedance bridges; supervises overhauling and calibration of complete equipment; co-ordinates and inspects electrical and mechanical adjustments and repairs during the overhaul; takes responsibility for maintaining equipment during overhaul and under operating conditions. May be Radar Workshop foreman.

Must have knowledge of radio theory, radar principles and high frequency techniques. Must know function and performance of radio circuits. Must have knowledge of oscilloscopes, transmission lines, wave-guides and antennae. Must have a broad general knowledge of motors, mechanics, and machine shop practice.

Will have held the rank of Staff Sergeant or Warrant Officer.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>		
RADAR-EQUIPMENT FOREMAN (radio manufacturing).....		5-92.621
Assembly, inspection, maintenance and repair jobs found in plants manu- facturing radar equipment which is familiar.		
<b>II Occupations requiring brief training to learn construction and methods of installing, assembling, adjusting and/or testing civilian radio equip- ment:</b>		
ELECTRICAL TESTER (radio manufacturing).....		4-98.010
FOREMAN (radio manufacturing).....		5-92.621
RADIO-AND-ELECTRICAL INSPECTOR (aircraft manufacturing).....		4-97.930
RADIO-EQUIPMENT ASSEMBLER, SPECIAL (radio manufacturing)...		4-98.050
RADIO MECHANIC (any industry).....		5-83.447
RADIO REPAIRMAN (any industry).....		5-83.411
TROUBLE SHOOTER (radio manufacturing).....		5-83.413
<b>III Occupations requiring additional training to learn methods of install- ing, maintaining or repairing telephone or telegraphic equipment and terminal circuits and apparatus:</b>		
COMBINATION MAN (telephone & telegraph).....		5-53.210
MAINTENANCE INSPECTOR (telephone & telegraph).....		5-76.225
PROTECTIVE-SIGNAL INSPECTOR (telephone & telegraph).....		5-53.080
STATION INSTALLER, SENIOR (telephone & telegraph).....		5-53.040
SWITCHMAN FOREMAN (telephone & telegraph).....		5-53.235
TELEPHONE INSPECTOR (telephone & telegraph).....		5-76.210
TESTING-AND-REGULATING MAN (telephone & telegraph).....		5-53.910
WIRE CHIEF (II) (telephone & telegraph).....		5-53.330
<b>RELATED FIELDS OF WORK</b>		
Electrical Engineering and Related.....		0-X7.48
Electrical Wiring and Related.....		4-X6.181
Managerial Work, Manufacturing.....		0-X8.41
Radio Repairing and Related.....		4-X6.185



## ARMAMENT ARTIFICER (VEHICLE) (ARMY TRADE GROUP A)

Supervises the inspection, repair and re-conditioning of tracked motor vehicles in the field or workshop; inspects worn or damaged vehicles and makes estimate of the amount of repairs necessary; directs mechanics in the diagnosis of faulty operation of tracked motor vehicles; supervises the dismantling, overhaul and re-assembly of power train, braking system, carburetor, transmission, stabilizer springs, crank assembly, tracks and suspensions; carries out executive duties, and instructs and directs mechanics in the use of machine shop equipment.

Must be at least 21 years of age. Must have had a minimum of two years secondary school education and have a good general technical knowledge. Must have extensive knowledge of current problems of tracked motor vehicle maintenance and repair. Must have a working knowledge of allied trade such as welding, machine shop practice, tinsmithing, etc. Must be a superior Vehicle Mechanic, Armoured Fighting Vehicle. Must have completed a course at Military College of Science in England or its equivalent in Canada.

Will have held the rank of Staff Sergeant or Warrant Officer.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

ACCESSORIES REPAIRMAN (railroad locomotive & car building & repairing).....	5-79.650
AUTOMOTIVE-TEST-ENGINE MECHANIC (automotive services).....	5-81.050
MACHINIST, AUTOMOBILE (automotive services).....	4-75.010
MOTOR ANALYST (automotive services).....	5-81.620
MOTORBOAT MECHANIC (any industry).....	5-83.643
TRACTOR MECHANIC (any industry).....	5-81.040
TRUCK MECHANIC (automotive services).....	5-81.030

#### II Occupations requiring brief additional training in operation and repair of Diesel engines; or in the repair and maintenance of airplane engines or industrial machinery:

AIRCRAFT-ENGINE MECHANIC (air transportation).....	5-80.130
CONSTRUCTION-EQUIPMENT MECHANIC (construction).....	5-83.641
DIESEL-ENGINE ERECTOR (engine & turbine).....	4-75.120
DIESEL MECHANIC (any industry).....	5-83.931
DIESEL-PLANT OPERATOR (light, heat, & power).....	5-51.122
ENGINE TESTER (air transportation; aircraft manufacturing).....	5-80.350
MAINTENANCE MAN, ENGINE (water transportation).....	5-83.641

#### III Occupations requiring considerable additional training in the design, construction or maintenance of industrial machinery and equipment; or in repair and maintenance of airplane engines and equipment:

AIRDROME-MAINTENANCE CHIEF (air transportation).....	5-95.031
ENGINE-OVERHAUL FOREMAN (air transportation).....	5-80.130
MAINTENANCE ENGINEER (any industry).....	5-72.020
MASTER MECHANIC, MAINTENANCE (any industry).....	5-83.621
MILLWRIGHT (any industry).....	5-78.100
SUPERINTENDENT, MAINTENANCE (air transportation).....	0-98.86
SUPERINTENDENT, MECHANICAL (professional & kindred).....	0-19.01

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### RELATED FIELDS OF WORK

Inspecting and Testing.....	4-X6.38
Mechanical Engineering and Related.....	0-X7.44
Mechanical Repairing.....	4-X2.1

## ARMAMENT ARTIFICER (VEHICLE) M.V. (ARMY TRADE GROUP A)

Organizes and directs the inspection, overhaul, repair and reconditioning of wheeled motor vehicles in the field or workshop; directs mechanics in the inspection of malfunctioning wheeled motor vehicles to determine cause of faulty operation; inspects worn or damaged vehicles and estimates repairs necessary; supervises the dismantling, overhaul and reassembly of units and components; performs executive duties, and instructs and directs mechanics in the use of machine shop equipment.

Must be at least 21 years of age. Must have had a minimum of two years secondary school education and have a good general technical knowledge. Must have extensive knowledge of current problems of wheeled motor vehicle maintenance and repair. Must have a working knowledge of allied trades such as welding, machine shop practice, tinsmithing, etc. Must be a superior Vehicle Mechanic, Motor Vehicle. Must have completed a course at Military College of Science in England or its equivalent in Canada.

Will have held the rank of Staff Sergeant or Warrant Officer.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

AUTOMOBILE MECHANIC (automotive services).....	5-81.010
AUTOMOBILE-REPAIR SERVICEMAN (automotive services).....	5-81.910
AUTOMOBILE TESTER (automotive services).....	5-81.920
BUS MECHANIC (automotive services).....	5-81.035
GARAGE-EQUIPMENT ASSEMBLER (machinery manufacturing).....	6-94.652
MACHINIST, AUTOMOBILE (automotive services).....	4-75.010
MOTOR ANALYST (automotive services).....	5-81.620
MOTOR AND CHASSIS INSPECTOR (automobile manufacturing).....	5-81.630
TEST DRIVER (automobile manufacturing).....	5-81.630

#### II Occupations requiring brief additional training in repairs and maintenance of airplane motors; or in methods of setting up and operating machine tools; or in repairs to mechanical equipment:

AIRPLANE MECHANIC (air transportation).....	5-80.100
ENGINE-LATHE OPERATOR (machine shop).....	4-78.011
ENGINE-SERVICE MECHANIC (air transportation).....	5-80.130
ENGINE TESTER (air transportation; aircraft manufacturing).....	5-80.350
JOB SETTER (machine shop).....	4-75.160
MACHINIST (machine shop).....	4-75.010
MAINTENANCE MECHANIC (II) (any industry).....	5-83.641

#### III Occupations requiring considerable additional training in industrial methods of inspecting mechanical units and in use of special measuring devices; or in the design, lay-out and maintenance of machines and mechanical equipment:

ALL-AROUND INSPECTOR (agricultural equipment).....	4-94.341
AUTOMOTIVE ENGINEER (automobile manufacturing).....	0-19.01
FACTORY LAY-OUT MAN (professional & kindred).....	0-19.01
MACHINE-PARTS INSPECTOR (agricultural equipment).....	4-94.343
MAGNAFLUX INSPECTOR (machine shop).....	4-78.674
MASTER MECHANIC, MAINTENANCE (any industry).....	5-83.621
PLANT ENGINEER (professional & kindred).....	0-19.01
SALVAGE INSPECTOR (railroad locomotive & car building & repairing).....	5-79.040

### RELATED FIELDS OF WORK

Inspecting and Testing.....	4-X6.38
Mechanical Engineering and Related.....	0-X7.44
Mechanical Repairing.....	4-X2.1
Metal Machining.....	4-X2.01

## ARMAMENT ARTIFICER (WIRELESS) (ARMY TRADE GROUP A)

Inspects, tests and repairs all wireless communications equipment; analyzes all communications equipment for faults, as detailed for Telecommunication Mechanics (Lines of Communication) and Telecommunication Mechanics (Field) but with a greater degree of skill; uses test equipment such as signal generators, Q meters, oscilloscopes, voltmeters, ammeters, wattmeters and analyzers; uses ordinary hand tools such as pliers, wrenches, soldering irons, and to a limited degree such machines as lathes, drill presses, milling machines and shapers; uses knowledge of cataloguing systems in operating expense stores section; reads blueprints, circuit diagrams and technical specifications.

Must have thorough practical and theoretical knowledge of mechanical and electrical construction of all communications equipment. Should have Junior Matriculation and civilian experience in wireless or telephonic equipment.

Will have held the rank of Staff Sergeant or Warrant Officer.

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### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

#### I Occupations requiring on-the-job training to gain familiarity with maintenance and repair of civilian radio equipment:

ELECTRICIAN, RADIO (any industry).....	5-83.445
RADIO AND ELECTRICAL INSPECTOR (aircraft manufacturing).....	4-97.930
RADIO-CHASSIS ALINER (radio manufacturing).....	4-98.040
RADIO MECHANIC (any industry).....	5-83.447
RADIO REPAIRMAN (any industry).....	5-83.411
TRANSMITTER TESTER (radio manufacturing).....	0-61.80
TROUBLE SHOOTER (radio manufacturing).....	5-83.413

#### II Occupations requiring brief additional training in procedure followed in installation, maintenance, and repairing of telephones, telegraphs, or transmission lines for light, heat and power:

CABLE TESTER (telephone & telegraph).....	5-53.340
ELECTRICAL TESTER (light, heat, & power).....	5-53.360
ELECTRICAL TESTER (telephone & telegraph).....	5-53.370
PROTECTIVE-SIGNAL REPAIRMAN (telephone & telegraph).....	5-53.200
STATION REPAIRMAN (telephone & telegraph).....	5-53.250
TOLL REPAIRMAN, CENTRAL OFFICE (telephone & telegraph).....	5-53.310
WIRE CHIEF (I) (telephone & telegraph).....	5-53.320
WIREMAN (telephone & telegraph).....	5-53.290

#### III Occupations requiring additional training to learn methods of coil-winding or of installing, testing, or repairing electrical equipment:

COMMUTATOR ASSEMBLER (electrical equipment).....	4-99.161
ELECTRIC-CONTAINER TESTER (electrical equipment).....	5-00.111
ELECTRICAL ADJUSTER (electrical equipment).....	5-00.933
ELECTRICAL ASSEMBLER (electrical equipment).....	6-78.634
FIELD-COIL WINDER (any industry).....	4-99.011
MAGNET WINDER (electrical equipment).....	4-99.012
ROTOR ASSEMBLER (electrical equipment).....	4-99.162
TRANSFORMER REBUILDER (any industry).....	4-99.171

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### RELATED FIELDS OF WORK

Electrical Engineering and Related.....	0-X7.48
Electrical Equipment Repairing.....	4-X6.183
Electrical Wiring and Related.....	4-X6.181
Radio Repairing and Related.....	4-X6.185



## ARMOURER (ARMY TRADE GROUPS C and B)

Carries out general maintenance work on small arms, automatic weapons and bicycles: strips, cleans, lubricates, assembles and adjusts small arms and automatic weapons including 20 mm. machine guns and 2 pounders; changes barrels and stocks of rifles; tests for accuracy and adjusts range finders; repairs steel helmets and respirators; overhauls and rebuilds bicycles; makes springs of steel and bronze; keeps armourer's records; uses such tools and machines as hammers, metal chisels, acetylene torches, screwdrivers, micrometers, metal lathes, drill presses, shapers, milling machines, paint sprayers, hardening furnace.

Must be able to work from blueprints. Must be able to carry out hardening, tempering, case hardening, oil blackening, simple forging and welding. Must be qualified as Fitter (Group C).

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

ARMORER (firearms & guns).....	5-85.541
ASSEMBLER (I) (firearms & guns).....	4-93.771
BARREL STRAIGHTENER (I) (firearms & guns).....	4-93.772
BICYCLE REPAIRMAN (any industry).....	5-83.881
FINAL INSPECTOR (IV) (firearms & guns).....	6-93.772
SIGHTER (firearms & guns).....	6-93.773
SPOT WELDER (any industry).....	6-85.060
STAR-GAGE OPERATOR (firearms & guns).....	6-93.774

#### II Occupations requiring brief training in methods of assembling or repairing small metal parts or instruments; or in repairing automobile bodies:

AUTOMOBILE-BODY REPAIRMAN, METAL (automobile manufacturing; automotive services).....	5-81.510
BENCH ASSEMBLER AND FITTER, MEDIUM-HEAVY (agricultural equipment).....	4-75.120
BENCH HAND, METAL PATTERNS (foundry).....	5-17.010
BENCH REPAIRMAN (machine shop).....	4-75.120
CASER (clocks, watches & allied products).....	4-72.111
DIE GRINDER (machine shop).....	4-76.010
GAS-METER REPAIRMAN (light, heat, & power).....	5-83.461
INSTRUMENT REPAIRMAN (petroleum refining).....	5-83.971
SMALL-PARTS ASSEMBLER (IV) (aircraft manufacturing).....	5-03.554
WATER-METER REPAIRMAN (waterworks).....	5-83.471

#### III Occupations requiring additional training in use of unfamiliar types of hand and machine welding equipment; or in methods of lead burning; or hardening and tempering metals:

CASE HARDENER (heat treating).....	4-87.210
HARDENER (heat treating).....	4-87.220
LEAD BURNER (construction; petroleum refining; ship & boat building & repairing).....	4-95.031
SOLDERER (any industry).....	6-95.001
TEMPERER (heat treating).....	4-87.310
UNIONMELT OPERATOR (any industry).....	4-85.080
WELDER, COMBINATION (any industry).....	4-85.040
WELDER, OXYHYDROGEN (any industry).....	4-85.063

### RELATED FIELDS OF WORK

Armament Repairing.....	4-X2.107
Mechanical or Metal Unit Assembling and Related (Including Instrument Repair).....	4-X6.310



## ARTIFICER R.C.A. (ARMY TRADE GROUP C)

Makes minor repairs to guns and equipment under field conditions when necessary: forges, hardens and tempers cold chisels and drills; fire welds, solders and brazes; cuts and bends tubing; saws and planes wood and makes dovetail, tenon, and mortise joints; makes and insulates small joints in single and multiple cables; maintains and tests secondary batteries. Must be qualified Fitter (Group C).

Must have working knowledge of elementary principles of magnetism and electricity, and be able to follow wiring diagrams. Must have good working knowledge of internal combustion engine.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training:

BATTERYMAN (any industry) .....	5-89.411
BRAZER (any industry) .....	4-85.310
CABLE SPLICER (construction; light, heat, & power) .....	5-53.950
CHISEL-MORTISE OPERATOR (furniture; planing mill) .....	6-33.312
DOVETAIL-MACHINE OPERATOR (automobile manufacturing; furniture) .....	6-33.314
PLANER OPERATOR (woodworking) .....	4-33.461
TEMPERER (heat treating) .....	4-87.310
TOOL DRESSER (I) (any industry) .....	5-84.010
TUBE BENDER (iron & steel) .....	4-88.342
VARIETY-SAW OPERATOR (woodworking) .....	6-33.224

#### II Occupations requiring brief additional training in the fabrication of such lumber products as window and door frames, and furniture parts; or in the forging, welding, or shaping of heavy metal stock; or in the testing of electric meters:

BARREL STRAIGHTENER (II) (firearms & guns) .....	6-88.612
ELECTRIC-METER TESTER (light, heat, & power) .....	5-83.452
FORGING-PRESS OPERATOR (forging) .....	4-86.125
MILLMAN (woodworking) .....	4-33.914
ORNAMENTAL-IRON WORKER (construction) .....	4-84.020
SOLDERER (jewelry) .....	4-72.318
WELDER, ARC (any industry) .....	4-85.020

#### III Occupations requiring considerable additional training in the inspection of welded, forged, and machined metal parts; or in the repair of motorized or construction equipment; or in cabinet making; or in electrical wiring:

AUTOMOBILE MECHANIC (automotive services) .....	5-81.010
CABINET MAKER (I) (woodworking) .....	4-32.100
CONSTRUCTION-EQUIPMENT MECHANIC (construction) .....	5-83.641
ELECTRICIAN, WIRING AND WIRE RUNNING (construction) .....	4-97.010
GUNSMITH (any industry) .....	5-83.542
HARDNESS INSPECTOR (heat treating) .....	6-87.910
MAGNAFLUX INSPECTOR (machine shop) .....	4-87.674
SILVERSMITH (silverware & plated ware) .....	4-71.310

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### RELATED FIELDS OF WORK

Miscellaneous Mechanical Repairing .....	4-X2.109
Miscellaneous Press Forming (Forging, Punching, Cutting) .....	4-X2.489
Wood Bench Work .....	4-X6.32

## ARTIFICER R.C.A. (ARMY TRADE GROUPS B and A)

In addition to duties of Artificer R.C.A. (Group C), inspects and makes all repairs to guns and equipment, under field conditions when necessary: makes simple tests with cell detector; makes butt and lapp joints by hand; regrinds valves on seats; makes rivets; does wiring and maintains same on vehicles; applies paint and does lettering; overhauls and assembles breech mechanism, buffer, recuperator, sights, elevating, traversing and brake gears, pumps and hydraulic jacks; remets, scrapes and adjusts bearings; strips and cleans magnetos; makes minor repairs on motors and generators; repairs and replaces parts of R.C.A. vehicles, including wheel parts; overhauls internal combustion engines.

Must be able to read blueprints. Must have good knowledge of construction and peculiarities of guns used in own battery. Must be able to identify and requisition spare parts. Artificer R.C.A. (Group A) must be able to supervise and instruct in the carrying out of all work in the battery; and be able to direct the safe handling of heavy loads.

Will have held the rank of Staff Sergeant or Warrant Officer.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring brief on-the-job training:

ARMORER (firearms & guns).....	5-83.541
AUTOMOBILE MECHANIC (automotive services).....	5-81.010
BABBITTER (automobile manufacturing).....	6-78.911
DIESEL MECHANIC (any industry).....	5-83.931
ELECTRICIAN, AUTOMOTIVE (automotive services).....	5-81.420
ENGINE-REPAIR MECHANIC, BUS (automotive services).....	5-81.035
MACHINIST, ERECTING (firearms & guns).....	4-75.010
TRACTOR MECHANIC (any industry).....	5-81.040

#### II Occupations requiring brief additional training in the assembly, repair or operation of internal combustion engines, air compressors, pumps, generators, or motors; or in the repair of electrical equipment; or in the designing and fabrication of guns:

AIRCRAFT-ENGINE MECHANIC (air transportation).....	5-80.130
CONSTRUCTION-EQUIPMENT MECHANIC (construction).....	5-83.641
ELECTRICAL REPAIRMAN (any industry).....	4-97.420
ENGINE REPAIRMAN (railroad locomotive & car building & repairing).....	5-79.050
GASOLINE-PLANT ENGINEER (petroleum & natural gas production)...	5-72.010
GENERATOR OPERATOR (light, heat, & power).....	5-51.110
GUNSMITH (any industry).....	5-83.542
WIREMAN, PASSENGER CAR (railroad locomotive & car building & repairing).....	4-97.010

#### III Occupations requiring considerable additional training in the supervision of the maintenance and modernization of ordnance materials or motorized equipment; or technical training in mechanical or electrical engineering:

ARMAMENT FOREMAN (firearms & guns).....	0-99.93
COMBUSTION ENGINEER (professional & kindred).....	0-19.01
ELECTRICAL ENGINEER (professional & kindred).....	0-17.01
ELECTRICIAN, SHIP (ship & boat building & repairing).....	4-97.210
INTERNAL-COMBUSTION-ENGINE DESIGNER (professional & kindred).....	0-19.01
MACHINIST (machine shop).....	4-75.010
SUPERINTENDENT, MAINTENANCE OF EQUIPMENT (motor vehicle transportation; railroad transportation).....	0-98.66

### RELATED FIELDS OF WORK

Combustion Engine Repairing.....	4-X2.103
Electrical Wiring and Related.....	4-X6.181
Miscellaneous Mechanical Repairing.....	4-X2.109

For additional information, see ARTIFICER R.C.A. (ARMY TRADE GROUP C).

## BAKER (ARMY TRADE GROUP C)

Assists Baker in operation of bakery; cleans and cares for utensils and equipment used in bakery; measures ingredients used in baking; stacks flour; checks weights of commodities received; stacks and issues bread; keeps required records of commodities received and bread issued.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BAKER APPRENTICE (bakery products).....	7-99.211
BREAD-BASKET PACKER (bakery products).....	9-63.11
DISHWASHER, MACHINE (hotel & restaurant).....	2-29.62
KITCHEN CLERK (hotel & restaurant).....	1-03.06
KITCHEN HELPER (hotel & restaurant).....	2-29.71
TRUCK LOADER (bakery products).....	9-63.11
UTENSIL WASHER, HAND (bakery products).....	9-63.11

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#### II Occupations requiring brief additional training in industrial methods:

COOKER HELPER, PIE FILLING (bakery products).....	6-02.052
DOUGH RAISER (bakery products).....	6-02.111
FLOUR SIFTER (bakery products).....	6-02.011
INGREDIENT SCALER (bakery products).....	6-02.021
OVENMAN HELPER (bakery products).....	6-02.210
PIE-FILLING MIXER (bakery products).....	6-02.053
PROOFER (bakery products).....	6-02.112

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#### III Occupations requiring considerable additional training in industrial bakery methods; or in techniques of processing food products:

BAKER (bakery products).....	4-01.100
COOK, PASTRY (hotel & restaurant).....	2-26.18
DOUGHNUT MAKER, HAND (bakery products).....	4-02.151
GUM MAKER (chewing gum).....	4-05.111
ICE-CREAM MAKER (ice cream).....	4-06.010
SPICE MIXER (coffee, tea, & spice processing & packing).....	4-10.033
YEAST MAKER (distilled liquors).....	4-03.030

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### RELATED FIELDS OF WORK

Bakery Bench Work.....	4-X6.375
Baking.....	4-X6.675



## BAKER (ARMY TRADE GROUPS B and A)

In addition to duties of Baker (Group C), bakes bread in fixed or mobile bakery; measures ingredients and mixes them by hand or machine; subjects dough to various proving operations; cuts dough, places it in pans, and inserts pans in oven; regulates heat of oven; transfers baked bread from oven to storage for cooling and aging; keeps simple records of supplies received and product issued; cleans and maintains in proper condition utensils and equipment used in the bakery. Baker (Group A) supervises organization of field or mechanical bakery, and instructs and supervises workers in operations of cleaning, baking, and handling stores.

Must have thorough knowledge of primary functions of yeast and other ingredients, and be able to use substitutes when necessary.

RELATED CIVILIAN EMPLOYMENT	Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>	
BATTER SCALER (bakery products).....	6-02.131
BLENDER (bakery products).....	6-02.012
DOUGH RAISER (bakery products).....	6-02.111
INGREDIENT SCALER (bakery products).....	6-02.021
INPEELER (bakery products).....	6-02.220
PASTRY-MAKER, SECOND (bakery products).....	6-02.920
ROLL-DOUGH DIVIDER (bakery products).....	6-02.121
<b>II Occupations requiring brief on-the-job training in industrial bakery methods and use of specialized equipment not found in Army bake shops; or in methods of cooking meats, vegetables and other main course foods:</b>	
BAKER (bakery products).....	4-01.100
BAKER (hotel & restaurant).....	4-01.400
BAKER, CAKE (bakery products).....	4-01.100
BAKER, COOKY (bakery products).....	4-01.100
BENCH HAND (bakery products).....	4-01.200
COOK, CAMP (any industry).....	2-26.51
COOK, MESS (water transportation).....	2-26.61
DOUGH MIXER (bakery products).....	4-01.700
OVENMAN; <i>Oven Tender</i> (bakery products).....	4-01.800
<b>III Occupations requiring considerable additional training in supervising kitchen employees in a commercial restaurant or hotel; or in food values and meal planning; or in methods and techniques used in large scale processing of food products, and in the use of specialized equipment:</b>	
BUTTER MAKER (dairy products).....	4-06.310
CHEESE MAKER (dairy products).....	4-06.410
EXECUTIVE CHEF (hotel & restaurant).....	2-26.01
MANAGER, CATERING (hotel & restaurant).....	0-71.15
MANAGER, RESTAURANT OR COFFEE SHOP (hotel & restaurant).....	0-71.23
MIX MAN (ice cream).....	4-06.030
PASTRY CHEF (hotel & restaurant).....	2-26.17
SPICE MIXER; <i>Spice Blender</i> (coffee, tea & spice processing & packing).....	4-10.033
STEWARD (hotel & restaurant).....	2-25.12
YEAST MAKER (distilled liquors).....	4-03.030
<b>RELATED FIELDS OF WORK</b>	
Bakery Bench Work.....	4-X6.375
Baking.....	4-X6.675
Quantity Cooking (Including Food Preparation).....	2-X1.2

For additional information see BAKER (ARMY TRADE GROUP C).

## BANDSMAN (ARMY TRADE GROUP C)

Plays musical instruments (brass, woodwind, or percussion) in military band: plays at sight instrumental part in marches, sacred music and light concert music, written in keys of not more than two sharps or five flats; frequently reads music and plays instrument while marching in military formation.

Must have thorough knowledge of most Major Scales, and of musical terms and signs. Must have thorough knowledge of care and maintenance of band instruments.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

COPYIST (amusement & recreation; radio broadcasting).....	7-56.610
MUSICIAN, INSTRUMENTAL (amusement & recreation).....	0-24.12
THEATRICAL PERFORMER (amusement & recreation).....	0-24.12

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#### II Occupations requiring brief additional training in the assembly or repair of band instruments; or in the display and sale of musical instruments or recordings; or in the operation of recording equipment to prepare records:

BOOKING AGENT (amusement & recreation).....	1-48.05
BRASS-BAND-INSTRUMENT MAKER (musical instruments & parts)...	5-13.352
MUSIC LIBRARIAN (radio broadcasting).....	0-23.50
RECORDING ENGINEER (radio broadcasting).....	0-66.01
SALESPERSON, MUSICAL INSTRUMENTS AND ACCESSORIES (retail trade; wholesale trade).....	1-75.51
SALESPERSON, MUSICAL RECORDINGS (retail trade).....	1-75.71
WIND-INSTRUMENT REPAIRMAN (any industry).....	5-83.224

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#### III Occupations requiring considerable additional training in popular or classical music; or in techniques of presenting concerts or other programs; or in methods of teaching; or in technique of orchestration:

ARRANGER (professional & kindred).....	0-24.42
BAND LEADER (amusement & recreation).....	0-24.25
COMPOSER (professional & kindred).....	0-24.41
DIRECTOR, MUSIC, COLLEGE, SCHOOL, OR UNIVERSITY (education & instruction).....	0-24.31
DIRECTOR, MUSIC, INTERNATIONAL BROADCAST (radio broadcasting).....	0-24.91
MANAGER, ORCHESTRA PERSONNEL (radio broadcasting).....	0-39.82
MUSIC CRITIC (printing & publishing).....	0-06.71
MUSICAL-PROGRAM BUILDER (radio broadcasting).....	0-69.24
ORCHESTRATOR (professional & kindred).....	0-24.43
TEACHER, MUSIC (education & instruction).....	0-24.31

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### RELATED FIELDS OF WORK

General Education.....	0-X6.00
Musical Work, Creative.....	0-X2.1
Musical Work, Instrumental.....	0-X2.6
Selling.....	1-X5.5

## BATMAN AND BATMAN DRIVER (NON-TRADE SPECIALIST)

Looks after officer's comfort and personal equipment: presses and makes minor repairs to uniforms; maintains officer's personal kit and equipment in good order. Acts as runner for officer in field or on operational duty. May set tables and assist in the preparation of food in officers' mess. May clean mess, bedroom and bathroom. May drive a light car or truck. Batman NCO supervises the work of Batmen under his charge.

Must be clean in personal habits. Must have the will and ability to work beyond normal working hours.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

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#### I Occupations requiring brief on-the-job training:

BAR BOY (hotel & restaurant).....	2-29.51
CHAUFFEUR (III) (domestic service).....	7-36.050
KITCHEN HELPER (II) (hotel & restaurant).....	2-29.71
MESS BOY (water transportation).....	2-27.93
PORTER (I) (any industry).....	2-86.10
VALET (I) (domestic service).....	2-09.07
WAITER, INFORMAL (hotel & restaurant).....	2-27.11
YARDMAN (domestic service).....	2-04.03

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#### II Occupations requiring brief additional training in cleaning and pressing garments; or in the preparation or serving of food:

CLEANER (I) (garment).....	6-27.122
COUNTERMAN, CAFETERIA (hotel & restaurant).....	2-27.21
DRY CLEANER (cleaning, dyeing & pressing).....	7-57.110
MARKER (cleaning, dyeing & pressing).....	7-57.021
PANTRYMAN (hotel & restaurant).....	2-29.12
PRESS OPERATOR (laundry).....	7-57.511
STEWARD ASSISTANT (hotel & restaurant).....	2-25.13
WAITER, FORMAL (hotel & restaurant).....	2-27.02

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#### III Occupations requiring considerable additional training in methods of preparing, cooking or serving food; or in the mixing and preparation of drinks; or in supervision of serving personnel:

BARTENDER (hotel & restaurant).....	2-21.10
BELL CAPTAIN (hotel & restaurant).....	2-22.01
COOK, SHORT ORDER (hotel & restaurant).....	2-26.33
COUNTER SUPERVISOR (hotel & restaurant).....	2-25.16
STEWARD, DECK (water transportation).....	2-28.06
SUPERINTENDENT, SERVICE (hotel & restaurant).....	2-25.11
WAITER, HEAD (hotel & restaurant).....	2-27.01

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### RELATED FIELDS OF WORK

Adult Care.....	2-X5.6
Food Serving and Related.....	2-X5.2
Miscellaneous Personal Service Work.....	2-X5.9



## BLACKSMITH (ARMY TRADE GROUP C)

Assists blacksmith in the repair and manufacture of metal replacement parts: builds fires to produce slow or rapid heat, using coke or bituminous coal; operates forge, blower system and drop hammers; makes own tools and such articles as chains, brackets, clips and clevis; trues up work, forges, punches, hardens and tempers metal; assists in shaping metal into design required; uses and maintains all blacksmith's hand tools.

Must be able to read colour chart and simple sketches. Must know uses of reducing and oxidizing fires.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BLACKSMITH HELPER (forging).....	8-93.71
BULLDOZER-OPERATOR HELPER (forging).....	8-93.71
DROP-HAMMER-OPERATOR HELPER (forging).....	8-93.71
FIREMAN, ANNEALER (foundry).....	8-82.10
GAGER (forging).....	8-93.71
PUNCH-PRESS-OPERATOR HELPER (any industry).....	8-93.45
SCALE SHOOTER (forging).....	8-93.71

#### II Occupations requiring brief additional training in the operation of furnaces used in processing metal:

DRAW-FIRE OPERATOR (heat treating).....	6-87.130
FURNACEMAN (furniture).....	6-88.731
FURNACEMAN (iron & steel).....	6-88.081
FURNACE TENDER, HEAT TREATING (heat treating).....	6-87.410
HEATER, FORGE (forging).....	6-88.732
QUENCHING-MACHINE OPERATOR (heat treating).....	6-87.220
TOOL DRESSER (any industry).....	7-84.010

#### III Occupations requiring additional training in the operation of one of a variety of presses to shape, form or cut metal:

ARBOR-PRESS OPERATOR (any industry).....	6-88.611
CUPPING-PRESS OPERATOR (ammunition & related products).....	6-88.635
FLANGING-PRESS OPERATOR (automobile manufacturing; boiler-making; ship & boat building & repairing).....	6-88.742
FORMING-PRESS OPERATOR (any industry).....	6-88.627
NIBBLER OPERATOR (machine shop).....	6-88.626
PUNCH-PRESS OPERATOR (any industry).....	6-88.622
ROLL HAND (forging).....	6-88.011
STRAIGHTENING-PRESS OPERATOR (any industry).....	6-88.612

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### RELATED FIELDS OF WORK

Grinding and Tool Dressing (Including Hand Forging).....	4-X6.315
Metal Heating.....	6-X2.615

## BLACKSMITH (ARMY TRADE GROUP B)

In addition to duties of Blacksmith (Group C), makes tools and other complex metal articles; designs and makes jigs for power-operated tools according to blue-print specifications; brazes, welds and cuts metal, using oxyacetylene torch; forges, welds and anneals any type of steel; estimates time and material of any type of work performed in unit; orders and inspects all types of material and equipment; supervises other workers.

Should be able to use British and Metric measuring systems.

RELATED CIVILIAN EMPLOYMENT	Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>	
BLACKSMITH (forging).....	4-86.010
DIE SETTER (forging).....	4-76.120
DROP-HAMMER OPERATOR (forging).....	4-86.110
FORGING-PRESS OPERATOR (forging).....	4-86.125
HAMMERSMITH (forging).....	4-86.120
HORSESHOER (any industry).....	4-86.210
TOOL DRESSER (any industry).....	5-84.010
<b>II Occupations requiring brief additional training in the process of heat- ing metal in furnaces or forges; or in quenching or tempering metal:</b>	
ANNEALER (automobile manufacturing; foundry; heat treating).....	6-87.110
CASE-HARDENER (heat treating).....	4-87.210
HEAT TREATER (heat treating).....	4-87.010
SHEET HEATER (iron & steel).....	6-88.083
TEMPERER (cutlery & tools).....	6-87.310
TEMPERER (heat treating).....	4-87.310
TOOL HARDENER (heat treating).....	4-87.230
<b>III Occupations requiring considerable additional training to learn all- around sheet or metal plate work; or in the set-up and operation of a variety of shaping and fastening machines:</b>	
BOATBUILDER, STEEL (ship & boat building & repairing).....	4-80.070
BOILERMAKER (boilermaking).....	4-83.100
COPPERSMITH (ship & boat building & repairing).....	4-80.080
IRONWORKER, SHOP (structural & ornamental metal work).....	4-84.610
ORNAMENTAL-IRON WORKER (construction).....	4-84.020
PANEL MAKER (railroad locomotive & car building & repairing).....	4-80.910
SHEET-METAL WORKER (sheet metal work).....	4-80.010
SHEET-METAL WORKER, AIRCRAFT (II) (aircraft manufacturing)...	4-80.060
<b>RELATED FIELDS OF WORK</b>	
Grinding and Tool Dressing (Including Hand Forging).....	4-X6.315
Miscellaneous Press Forming (Forging, Punching, Cutting).....	4-X2.489
Metal Hardening, Tempering and Annealing.....	4-X6.615

For additional information see BLACKSMITH (ARMY TRADE GROUP C).

## BLOCKMAN (ARMY TRADE GROUPS C and B)

Operates track signals from signal tower to control movements of military railway trains: works and maintains single or double line block instruments and interlocked signal cabin which control railroad traffic in a railroad yard or at a switching point; transmits and receives messages by telephone; records messages.

Must understand train regulations for single and double lines, and hand and shunting signals. Must have a good knowledge of emergency working of signals and principles of track circuit. Must understand some form of lock and block. Must understand the general principles of safety by inter-locking.

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### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

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#### I Occupations not requiring additional training:

SWITCHMAN (railroad transportation).....	5-44.010
TOWERMAN (railroad transportation).....	5-44.020

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#### II Occupations requiring additional training in operating various types of lever controlled hoists and cranes; or in the operation of machinery to open and close railway bridges or canal locks; or in keeping lookout for forest fires:

BRIDGE OPERATOR (II) (railroad transportation).....	2-62.30
DERRICK-BOAT OPERATOR (any industry).....	5-73.750
FIRE LOOKOUT; <i>Towerman</i> (governmental services).....	0-68.17
HOISTING ENGINEER (any industry).....	5-73.520
HOISTMAN (bituminous coal mining; metal mining; nonmetal mining)...	5-73.510
LOCK TENDER (water transportation).....	5-49.104
SKIDDER LEVERMAN (logging).....	5-73.330
WINCHMAN, CARGO (water transportation).....	7-73.730

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### RELATED FIELDS OF WORK

Hoisting Machine Operating.....	6-X2.493
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## BOILERMAKER (ARMY TRADE GROUPS C and B)

Constructs, overhauls, and maintains both fire and water boilers: lays out work on plates; cuts plates to size and shape; flanges and bends smoke box plates and angle irons to desired radius, and marks off, drills and rivets in position; fastens boiler tubes or flues into headers, expanding tube ends and putting on ferrules; assembles headers, tubes, and baffleplates, and rivets or welds parts together; caulks seams and rivet heads (right or left hand). Examines boilers and prepares a report as to their condition and state of repair; estimates and reports quantities of materials required; straightens buckled plates, patches, replaces tubes, plugs cracked tube holes; extracts foundation or fire hole ring rivets, and fits new ones.

Must be able to work from blueprints and sketches. Must know the best type of riveted joint for any class of work, and have a knowledge of the working properties of materials used. Should have working knowledge of oxyacetylene welding and cutting. Should have pre-enlistment experience as Boiler Repairman.

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### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

#### I Occupations not requiring additional training:

BOILERMAKER (boilermaking).....	4-83.100
BOILERMAKER (ship & boat building & repairing).....	4-84.013
BOILERMAKER, ASSEMBLY AND ERECTION (boilermaking).....	4-83.100
BOILERMAKER, MAINTENANCE (any industry).....	4-83.100
FIT-UP MAN (boilermaking).....	4-83.300
IRONWORKER-MACHINE OPERATOR (boilermaking).....	6-88.662
LAY-OUT MAN (boilermaking).....	4-83.200
POWER-HAMMER OPERATOR (boilermaking).....	6-88.714

#### II Occupations requiring considerable additional training concerning the rules and regulations pertaining to the construction, safety, and use of boilers; or in methods of inspecting mechanical units for leaks and defective parts; or in the use of special measuring devices; or in the fabrication, assembly, and repair of sheet-metal articles and equipment:

BOILER INSPECTOR (professional & kindred).....	0-79.03
BOILER TESTER (boilermaking).....	6-83.130
BOILERHOUSE INSPECTOR (any industry).....	5-76.910
FORGING-PRESS OPERATOR (forging).....	4-86.125
METAL-TANK WORKER (construction).....	4-84.030
PATTERN LAY-OUT MAN (foundry).....	5-17.030
SEAMLESS-TUBE INSPECTOR (iron & steel).....	4-88.321
SHEET-METAL WORKER (sheet metal work).....	4-80.010
TANK TESTER (ship & boat building & repairing).....	4-84.110

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### RELATED FIELDS OF WORK

Heavy Metal Structural Work.....	4-X6.211
Light Metal Structural Work.....	4-X6.213

## BRAKEMAN AND SHUNTER (ARMY TRADE GROUPS C and B)

Carries out marshalling and shunting operations in railroad yard according to written instructions or for known objective: couples and uncouples cars and brake connections; applies and releases hand and power brakes; receives and transmits fixed, hand and shunting signals; applies knowledge of local rules as to tonnage, rating of engine and calculation of engine loads in shunting, loading and marshalling operations; reports on track defects; prepares rolling stock returns and daily yard reports; makes out Guards' Journals, and enters up way bills. Brakeman and Shunter (Group B) must be able to supervise the men of his trade.

Must have working knowledge of train regulations for single and double line, and the use of different switch levers. Must have good knowledge of general principles of safe station working, and show initiative in dealing with all kinds of emergencies.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training:

BRAKEMAN, PASSENGER TRAIN (railroad transportation).....	5-38.010
BRAKEMAN, ROAD FREIGHT (railroad transportation).....	7-38.010
BRAKEMAN, YARD (any industry).....	7-38.020
CAGER (bituminous coal mining; metal mining; nonmetal mining).....	7-22.620
LOCOMOTIVE-CRANE-OPERATOR HELPER (any industry).....	7-88.150
SIGNALMAN (construction).....	7-32.952
SIGNALMAN (logging).....	8-30.10
SWITCHMAN (railroad transportation).....	5-44.010
SWITCHMAN (bituminous coal mining).....	9-22.10

#### II Occupations requiring brief additional training in the operation of winches, cranes or hoists; or in the operation of track switches from a control tower:

CANTILEVER-CRANE OPERATOR (ship & boat building & repairing)	5-73.015
CATERPILLAR-CRANE OPERATOR (any industry).....	5-73.050
ELECTRIC-BRIDGE-CRANE OPERATOR (any industry).....	5-73.010
ENGINEER (logging).....	5-73.330
HOSTMAN (bituminous coal mining; metal mining; nonmetal mining)...	5-73.510
SILO MAN (soy beans products).....	7-88.320
SKIP OPERATOR (iron & steel).....	5-73.550
TOWER-WHIRLER OPERATOR (ship & boat building & repairing)....	5-73.045
TOWERMAN (IV) (railroad transportation).....	5-44.020
WINCHMAN, CARGO (water transportation).....	7-73.730

#### III Occupations requiring considerable additional training in the loading or switching of freight cars or locomotives; or in the supervision of switching or other yard or station activities; or in the clerical work attached to railroad transportation:

DEMURRAGE CLERK (railroad transportation).....	1-11.04
DISPOSITION CLERK (railroad transportation).....	1-11.05
SCHEDULE MAKER (railroad transportation).....	1-11.11
SIGNAL-SERVICE REPAIRMAN (railroad transportation).....	5-79.170
SUPERINTENDENT, PIER (water transportation).....	0-98.93
SUPERINTENDENT, STATIONS (motor vehicle transportation; railroad transportation).....	0-98.98
YARD CLERK (railroad transportation).....	1-11.12
YARDMASTER (any industry).....	5-99.010
YARDMASTER (railroad transportation).....	0-98.73

### RELATED FIELDS OF WORK

Hauling Machine Operating.....	4-X2.492
Hoisting Machine Operating.....	4-X2.493
Hoisting Machine Operating.....	6-X2.493
Managerial Work, Transportation and Miscellaneous Services.....	0-X8.49

## BRICKLAYER (ARMY TRADE GROUP C)

Assists Bricklayer: under supervision, erects scaffolds and runways and builds mortar boards; cuts brick, tile and building blocks, using bricklayer's hammer, trowel, or hammer and chisel; strips and rods joints; mixes mortar; keeps proper tools and materials at hand for bricklayer.

Must know types and sizes of brick, tile, and building blocks. Must know three methods of bonding.

RELATED CIVILIAN EMPLOYMENT	Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>	
BRICKLAYER APPRENTICE (construction).....	7-97.410
CEMENT-BLOCK MOLDER (concrete products).....	6-67.610
MONUMENT SETTER (marble, granite, slate, & other stoneworking)....	7-24.210
MORTAR MIXER (construction).....	7-32.114
STONEMASON APPRENTICE (construction).....	7-97.440
TERRAZZO-WORKER HELPER (construction).....	7-32.542
TILE-SETTER HELPER (construction).....	7-32.543
<b>II Occupations requiring brief additional training in methods of laying blocks or tile; or in piling of brick for kiln firing; or in testing or measuring tile or stone:</b>	
BLOCK PAVER (construction).....	7-24.630
BRICK TESTER (brick, tile, & nonclay refractories).....	6-66.322
PAVING-BED MAKER (construction).....	7-24.660
SETTER (brick, tile, & nonclay refractories).....	6-66.261
STONE GRADER (quarrying & sand & gravel).....	7-76.120
TILE-CONDUIT LAYER (construction).....	7-32.332
TILE-SIZER (brick, tile, & nonclay refractories).....	6-66.166
<b>III Occupations requiring considerable additional training in technique of all-around brick, stone or tile laying:</b>	
BRICKLAYER (construction).....	5-24.010
BRICKLAYER, FIREBRICK (any industry).....	7-24.110
BRICKLAYER, SEWER (construction).....	5-24.020
STONEMASON (construction).....	5-24.210
TERRAZZO WORKER (construction).....	5-24.510
TILE SETTER (construction).....	5-24.410
TUCK POINTER (construction).....	5-24.030
<b>RELATED FIELDS OF WORK</b>	
Bricklaying.....	4-X6.232



## BRICKLAYER (ARMY TRADE GROUP B)

In addition to duties of Bricklayer (Group C), constructs brick walls, chimneys, and other brickwork: lays brick in courses (horizontal layers), spreading mortar with trowel; checks vertical and horizontal alignment of structure with level and plumb bob; shapes mortar joints between bricks with point of trowel. May construct fireplaces, pilasters, reveals, and simple arches.

Must be able to read blueprints. Must be able to estimate time and materials required for specific job.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BAT-IN MAN (construction).....	7-24.620
BRICKLAYER (construction).....	5-24.010
BRICKLAYER, PAVING BRICK (construction).....	7-24.610
BRICKLAYER, SEWER (construction).....	5-24.020
TELFORD-BASE WORKER (construction).....	7-24.640
TUCK POINTER (construction).....	5-24.030
WALL BUILDER (metal mining).....	7-22.950

#### II Occupations requiring brief additional training in methods of plastic floor laying or stonemasonry; or in specialized bricklaying:

ASPHALT-MASTIC-FLOOR LAYER (construction).....	5-32.751
BRICKLAYER (brick, tile, & nonclay refractories).....	5-24.110
BRICKLAYER (glass manufacturing).....	5-24.120
BRICKLAYER FOREMAN (construction).....	5-24.010
BRICKLAYER, REFRACTORY BRICK (foundry; iron & steel).....	5-24.130
STONEMASON (construction).....	5-24.210

#### III Occupations requiring considerable additional training in methods of handling and finishing construction materials other than brick; or in inspecting work of bricklayers and stonemasons:

CEMENT FINISHER (construction).....	5-26.100
GLAZIER, STRUCTURAL GLASS (construction).....	5-77.010
MASONRY INSPECTOR (construction).....	0-79.01
PLASTERER, ROUGH (construction).....	5-29.100
STUCCO MASON (construction).....	5-29.300
TERRAZZO WORKER (construction).....	5-24.510
TILE SETTER (construction).....	5-24.410

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### RELATED FIELDS OF WORK

Bricklaying.....	4-X2.32
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For additional information see BRICKLAYER (ARMY TRADE GROUP C).

## BUTCHER (ARMY TRADE GROUP C)

Under supervision, cuts and prepares meat for issue: sticks and legs sheep; dresses bullock heads and briskets and removes bones; chops and cuts up meat to weight; wraps and identifies parcels; defrosts meat; keeps tools (saw, cleaver, knife, etc.) in good working condition.

Must know most economical methods of cutting and cooking various cuts.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BEEF-HEAD BONER (slaughtering & meat packing).....	6-09.284
BEEF-WEIGHING CLERK (slaughtering & meat packing).....	9-63.01
BURCHER, HEAD BONER (slaughtering & meat packing).....	6-09.221
BUTCHER HELPER (hotel & restaurant).....	2-29.14
CARVER (hotel & restaurant).....	2-29.11
SHEEP STICKER (slaughtering & meat packing).....	6-09.101

#### II Occupations requiring brief training in specialized meat-cutting activities in reduction of carcasses in slaughter houses:

BACKER (slaughtering & meat packing).....	6-09.201
BEEF CUTTER; <i>Knife Man</i> (slaughtering & meat packing).....	4-09.205
BUTCHER, SPECIAL CUT (slaughtering & meat packing).....	4-09.206
BONER-DRESSER, BEEF (slaughtering & meat packing).....	4-09.204
CATTLE SPLITTER (slaughtering & meat packing).....	6-09.204
CHUCK BONER (slaughtering & meat packing).....	6-09.241
HEAD DROPPER (slaughtering & meat packing).....	6-09.223
SHOULDER CHOPPER (slaughtering & meat packing).....	6-09.244

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### RELATED FIELDS OF WORK

Meat Dressing.....	4-X6.376
Routine Meat Dressing.....	6-X4.376
Slaughtering and Meat Processing.....	6-X4.676

## BUTCHER (ARMY TRADE GROUP B)

In addition to duties of Butcher (Group C), judges fitness for slaughter of cattle on the hoof, according to age and sex, and judges quality and sweetness of dressed meat; estimates the essential time element between slaughtering of animals and their consumption; instructs men in the trade; directs the erection and operation of field abattoirs; keeps storage facilities clean and at proper temperature; watches for signs of food deterioration; keeps butcher accounts.

Must know how to kill and dress bullocks.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BUTCHER, ALL-AROUND (slaughtering & meat packing).....	4-09.205
BUTCHER, MEAT (hotel & restaurant).....	5-58.100
MEAT CUTTER (retail trade; wholesale trade).....	5-58.100
MEAT DRESSER (agricultural & horticultural service).....	4-09.208
SMALL-STOCK FACER (slaughtering & meat packing).....	6-09.225

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#### II Occupations requiring brief additional training in methods used to inspect specific type of meat or seafood; or in industrial methods of grading meat or seafood products:

BACON GRADER, SLICED (slaughtering & meat packing).....	6-09.321
BACON INSPECTOR (slaughtering & meat packing).....	6-09.322
BEEF GRADER (slaughtering & meat packing).....	6-09.351
BELLY GRADER (slaughtering & meat packing).....	6-09.215
COOLER INSPECTOR (slaughtering & meat packing).....	4-09.201
FISH INSPECTOR (canning & preserving).....	6-04.030
GREEN-MEAT GRADER (slaughtering & meat packing).....	6-09.301
WHOLE-FISH GRADER (canning & preserving).....	6-04.050

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#### III Occupations requiring considerable additional training to learn plant, city, provincial or national regulations governing the purity of foods and drugs:

FISH INSPECTOR (governmental services).....	0-95.12
FOOD and DRUG INSPECTOR (governmental services).....	0-95.11
PERISHABLE-FREIGHT INSPECTOR (railroad transportation).....	0-79.21
SANITARY INSPECTOR (governmental services).....	0-95.16

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### RELATED FIELDS OF WORK

Inspecting and Testing.....	6-X2.38
Meat Dressing.....	4-X6.376

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For additional information see BUTCHER (Army Trade Group C).



## CABLE SPLICER (ARMY TRADE GROUP A)

Maintains Army wire communication systems: opens cable, removing jute, steel stripping, or rubber; splices wires to join multiple conductor cables; insulates splices by drying out moisture with desiccant or paraffin, by wrapping with muslin or other appropriate bandages, and by covering splices with lead sleeves; tests sheath by means of gas or air under pressure; tests conductors for continuity and insulation by means of buzzer system or tone test instrument; terminates cables on racks, terminal panels or boxes, etc.; installs jumpers and cross connections on racks, in test pits, etc.

Must have a certificate of employment as a Cable Splicer from a Telephone or Telegraph company.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

**I Occupations requiring brief on-the-job training in specific types of splices; or in prescribed methods of testing telephone and telegraph circuits:**

CABLE SOLDERER (electrical equipment).....	7-00.214
CABLE SPLICER (construction; light, heat, & power).....	5-53.950
CABLE SQUEEZER, SECOND CLASS (construction).....	7-32.412
LINEMAN (light, heat, & power).....	5-53.420
LINEMAN, SENIOR (telephone & telegraph).....	5-53.410
LOCAL-TEST DESKMAN (telephone & telegraph).....	5-53.220
WIREWORKER (aircraft manufacturing).....	7-89.056

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**II Occupations requiring brief additional training in methods of installing, testing, and repairing light and power lines, or telephone and telegraph terminal equipment and associated wiring:**

COMBINATION MAN (telephone & telegraph).....	5-53.210
ELECTRICAL TESTER (light, heat, & power).....	5-53.360
PRIVATE-BRANCH-EXCHANGE INSTALLER (telephone & telegraph).....	5-53.020
STATION INSTALLER (telephone & telegraph) (II).....	5-53.030
TELEGRAPH INSTALLER; <i>Telegraph Equipment Installer</i> (telephone & telegraph).....	5-53.050
TRANSMISSION ENGINEER (telephone & telegraph).....	5-53.920
WIREMAN (bituminous coal mining; metal mining).....	4-97.010

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**III Occupations requiring considerable additional training in the installation and testing of other types of electrical systems; or in electrical draughting; or in the supervision of workers engaged in the installation or maintenance of light, heat, power, or communication systems:**

CABLE-LAY-OUT MAN (telephone & telegraph).....	0-68.65
CABLE TESTER (telephone & telegraph).....	5-53.340
DRAFTSMAN, ELECTRICAL (professional & kindred).....	0-48.11
ELECTRICIAN (any industry).....	4-97.010
ELECTRICIAN, AIRPLANE (aircraft manufacturing).....	4-97.910
STATION INSTALLER, SENIOR (telephone & telegraph).....	5-53.040
WIRE CHIEF (telephone & telegraph) (I).....	5-53.320

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### RELATED FIELDS OF WORK

Electrical Drafting and Related.....	0-X7.78
Electrical Wiring and Related.....	4-X6.181

## CARPENTER (ARMY TRADE GROUP C)

Under supervision, performs simple and rough carpentry tasks: cuts, dresses and fits rough lumber; cuts and places sheathing and decking; erects studding; constructs simple formwork; installs rough builder's hardware; maintains carpenter's tools in proper condition.

Must be able to make simple joints such as mortice and tenon. Must be able to do ploughing, tonguing, splicing and common dovetailing.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

CARPENTER APPRENTICE (construction; railroad locomotive & car building & repairing).....	7-93.100
CARPENTER, ROUGH (construction).....	5-25.230
CHUTE BUILDER (logging).....	6-30.320
FORM BUILDER (construction).....	5-25.240
POLE FRAMER (light, heat, & power; telephone & telegraph; wood pre-serving).....	6-39.425
SCAFFOLD BUILDER, WOODEN (construction).....	5-25.230
SHEATHER (construction).....	5-25.230
SHORER (construction).....	7-32.051

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#### II Occupations requiring brief additional training in methods of fitting and fastening together prefabricated wooden parts; or in learning to operate a single woodworking machine on a production basis; or in methods of erecting large rough wooden supporting structures other than bridges:

BOX MAKER (morticians' goods).....	6-39.322
BOX MAKER, WOOD (any industry).....	6-39.114
CARPENTER, FLASK (foundry).....	6-82.610
DOVETAIL-MACHINE OPERATOR (automobile manufacturing; furniture).....	6-33.314
FRAME MAKER (planing mill).....	6-34.070
JOINTER OPERATOR (woodworking).....	6-33.462
PLANER OPERATOR (woodworking).....	4-33.461
TIMBER FRAMER (bituminous coal mining; metal mining; sawmill)....	6-33.227
TIMBERMAN (construction).....	5-25.260

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#### III Occupations requiring considerable additional training in the use of hand tools for routine tasks in cutting, fitting, joining, assembling or repairing wood parts; or in cutting and erecting large, rough, wooden, supporting structures:

ASSEMBLER (automobile manufacturing).....	5-25.570
BRIDGE BUILDER (construction; logging).....	5-25.260
CABINET ASSEMBLER (radio manufacturing).....	6-36.010
FRAME MAKER (leather manufacturing).....	5-25.830
FURNITURE ASSEMBLER (furniture).....	6-36.050
HARDWOOD-FLOOR LAYER (construction).....	5-25.160
ROOFER, WOOD SHINGLE (construction).....	5-25.220
WOOD REPAIRMAN (automobile manufacturing).....	6-39.997

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### RELATED FIELDS OF WORK

Miscellaneous Wood Structural Work.....	6-X6.229
Wood Structural Work (Carpentry).....	4-X6.220

## CARPENTER (ARMY TRADE GROUP B)

In addition to duties of Carpenter (Group C), performs all types of carpentry tasks: plans and lays out work; installs exterior and interior trim; lays floors; installs door and window frames; hangs doors and installs window sashes; builds concrete forms, pouring chutes, scaffolds, etc.; constructs simple rigging; operates simple woodworking machinery, such as hand or power saw, planer, and pneumatic hammer.

Must know uses and characteristics of different kinds of lumber. Must be able to read drawings and blueprints, and to estimate quantities.

RELATED CIVILIAN EMPLOYMENT	Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>	
AIRPLANE WOODWORKER (aircraft manufacturing).....	4-33.916
CARPENTER (construction).....	5-25.110
CARPENTER, BANK (bituminous coal mining).....	5-25.830
CARPENTER, BENCH (woodworking).....	5-25.010
CARPENTER, CAR (bituminous coal mining).....	5-25.830
CARPENTER, MAINTENANCE (any industry).....	5-25.830
CARPENTER, MINE (bituminous coal mining; metal mining).....	5-25.830
CARPENTER, WOOD-SASH AND FRAME (construction).....	5-25.150
RIG REPAIRMAN (petroleum & natural gas production).....	5-25.830
<b>II Occupations requiring brief additional training in specialized structural carpentry on railroad cars or ships; or training in methods of fine wood-working as found in woodworking establishments:</b>	
BOATBUILDER, WOOD (ship & boat building & repairing).....	5-25.610
CARPENTER INSPECTOR (railroad locomotive & car building & repairing).....	5-25.510
CARPENTER, STREETCAR (railroad locomotive & car building & repairing).....	5-25.550
JOINER (ship & boat building & repairing).....	5-25.650
PATTERNMAKER, WOOD (foundry; planing mill).....	5-17.020
SHAFTMAN (metal mining).....	5-22.910
STAIR BUILDER (planing mill).....	5-25.050
<b>III Occupations requiring considerable additional training in cabinet-making, or in specialized finished carpentry:</b>	
CABINETMAKER (woodworking).....	4-32.100
CARPENTER, FINISH (construction).....	5-25.150
CARPENTER, FOREMAN (construction).....	5-25.110
CARPENTER INSPECTOR (any industry).....	5-25.810
CARPENTER, REFRIGERATOR (refrigerator and refrigerating & ice-making equipment).....	5-25.030
CARPENTER, SHIP (ship & boat building & repairing).....	5-25.640
MARQUETRY WORKER (furniture).....	4-32.200
MILLMAN (woodworking).....	4-33.914
STAIR BUILDER (construction).....	5-25.150
TOY MAKER, WOOD (toys, games, & playground equipment).....	5-13.011
<b>RELATED FIELDS OF WORK</b>	
All-Around Cabinet, Pattern or Model Making (Wood).....	4-X6.320
Wood Structural Work (Carpentry).....	4-X6.220

For additional information see CARPENTER (ARMY TRADE GROUP C).



# CARRIAGE AND WAGON REPAIRER

## (ARMY TRADE GROUPS C and B)

Builds, repairs and maintains railway rolling stock: lays out work from blue-prints, working drawings or template; strips and rebuilds damaged cars, using replacement parts; lifts railway cars, removes wheels, fits new brasses, replaces sills, trucks, draw gear and brakes; drills out and refits broken studs; disassembles, renews and refits Westinghouse and vacuum automatic brake systems; carries out routine lubrication and maintenance of railway rolling stock. Carriage and Wagon Repairer (Group B) supervises, inspects and estimates time required to do work and quantities of materials needed.

Must know qualities and uses of various woods and metals. Must be a skilled carpenter.

### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

#### I Occupations not requiring additional training:

BRAKEMAN, AIR (railroad locomotive & car building & repairing).....	5-79.010
CAR STRAIGHTENER (railroad locomotive & car building & repairing)	5-79.020
CARMAN (railroad locomotive & car building & repairing).....	5-79.020
CARPENTER, FREIGHT CAR (railroad locomotive & car building & repairing).....	5-25.560
CARPENTER, LOCOMOTIVE (railroad locomotive & car building & repairing).....	5-25.540
CARPENTER, STREETCAR (railroad locomotive & car building & repairing).....	5-25.550
FREIGHT-AIR-BRAKE FITTER (railroad locomotive & car building & repairing).....	5-79.020
SALVAGE INSPECTOR (railroad locomotive & car building & repairing)..	5-79.040
TANK-CAR REPAIRMAN (railroad locomotive & car building & repairing).....	5-79.070
WHEEL FITTER (railroad locomotive & car building & repairing).....	5-79.020

#### II Occupations requiring brief additional training in methods of fine woodworking; or in techniques of hardwood floor laying:

AIRPLANE WOODWORKER (aircraft manufacturing).....	4-33.916
ASSEMBLER (III) (automobile manufacturing).....	5-25.570
AUTOMOBILE-BODY REPAIRMAN, WOOD (automotive services).....	5-81.520
CARPENTER, BENCH (I) (woodworking).....	5-25.010
CARPENTER, REFRIGERATOR (refrigerator & refrigerating & ice-making equipment).....	5-25.030
CASKET ASSEMBLER (morticians' goods).....	4-39.321
HARDWOOD-FLOOR LAYER (construction).....	5-25.160
LAY-OUT MAN; <i>Pattern Marker</i> (woodworking).....	4-33.912
MILLMAN (woodworking).....	4-33.914

#### III Occupations requiring considerable additional training to learn details of machining and forming metal parts other than those for railway cars:

CYLINDRICAL-GRINDER OPERATOR (machine shop).....	4-78.511
ENGINE-LATHE OPERATOR (machine shop).....	4-78.011
FOUR-COLUMN-HYDRAULIC-PRESS OPERATOR (forging).....	4-86.130
HORIZONTAL-BORING-AND-MILLING-MACHINE OPERATOR (machine shop).....	4-78.042
JIG-BORING-MACHINE OPERATOR (machine shop).....	4-78.043
SECTIONAL-HYDRAULIC-PRESS OPERATOR (forging).....	4-86.140
TURRET-LATHE OPERATOR (machine shop).....	4-78.021

### RELATED FIELDS OF WORK

Metal Machining.....	4-X2.01
Wood Machining.....	4-X2.02
Wood Structural Work (Carpentry).....	4-X6.220

## CHECKER (NUMBER TAKER) (ARMY TRADE GROUP C)

Keeps correct record of incoming and outgoing shipments by railroad car: checks vehicles in station yard, noting such items as engine and car numbers, type, name of railroad owning car, and date and time of arrival and departure.

Must know principles of safe station working. Must have knowledge of fixed, hand and shunting signals as used in station yard day and night.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

CAR CHECKER (I) (clerical & kindred).....	1-03.02
CHECKER (laundry).....	7-57.001
CHECKER (sugar).....	1-04.01
DISPOSITION CLERK (railroad transportation).....	1-11.05
FOOD CHECKER, CAFETERIA (II) (hotel & restaurant).....	1-03.03
SHIPPING CHECKER (clerical & kindred).....	1-34.15
STUBBER (retail trade).....	1-34.08
TRAFFIC CLERK (I) (clerical & kindred).....	1-03.02

#### II Occupations requiring brief on-the-job training to learn specific recording duties:

ACCOUNTING CLERK (clerical & kindred).....	1-01.31
CHECKER-IN (boot & shoe).....	1-18.66
CONDUCTOR, YARD (railroad transportation).....	0-92.21
FREIGHT-PLATFORM CLERK (railroad transportation).....	1-11.06
ORDER CLERK (clerical & kindred).....	1-18.63
PRODUCTION CLERK (clerical & kindred).....	1-18.66
DESK CLERK (hotel & restaurant).....	1-07.60
SELLING CLERK (retail trade).....	1-18.87
SHIPPING CLERK (I) (clerical & kindred).....	1-34.13
TOOL CLERK; <i>Tool Checker</i> (clerical & kindred).....	1-38.05

#### III Occupations requiring considerable additional training in methods of bookkeeping; or in checking ship's cargo; or in switching railroad cars:

BOOKKEEPER (II) (clerical & kindred).....	1-01.02
BRAKEMAN, YARD (any industry).....	7-38.020
CIRCULATION BOOKKEEPER (printing & publishing).....	1-01.03
COST CLERK (clerical & kindred).....	1-01.35
NOTE CLERK (insurance).....	1-01.03
RECAPITULATION CLERK (light, heat, & power).....	1-01.03
SUPERCARGO (water transportation).....	1-44.25
TRAFFIC MAN (I) (bituminous coal mining; metal mining).....	0-98-76
YARDMASTER (railroad transportation).....	0-98.73

### RELATED FIELDS OF WORK

Equipment and Material Checking.....	1-X2.8
General Recording Work.....	1-X2.0
Managerial Work, Transportation and Miscellaneous Services.....	0-X8.49

# CHEMICAL TECHNICIAN

## (ARMY TRADE GROUPS C, B, and A)

Carries out qualitative analysis of organic and inorganic compounds following standard procedure; makes up solutions or reagents by percentage, molarity or normality; carries out melting point determinations and makes use of colorimeter and analytical balance; carries out distillations, extractions, crystallizations and similar standard procedures; carries out with accuracy the commoner procedures of quantitative volumetric and gravimetric analysis, such as standardization of solutions and determination of common ions or radicals; follows necessary precautions when applying procedures to chemicals of dangerous nature, such as war gases and explosives; keeps accurate records of all procedure. Uses chemicals and laboratory equipment such as beakers, buretts, condensers, flasks, graduates, tubing, etc.

Must have knowledge of chemical formulae and principles of chemical equivalence. Should be capable of acquiring new and specialized techniques which arise out of the nature of the work.

Chemical Technician (Group A) supervises and directs Chemical Technicians (Groups C and B).

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring brief on-the-job training:

CHAMBERMAN (chemical; fertilizer).....	4-52.721
CHEMICAL MIXER (hosiery; knit goods; textile).....	6-19.242
CHEMICAL MIXER (any industry).....	7-86.516
CHEMIST, ASSISTANT (professional & kindred).....	0-50.22
GAS TESTER (petroleum & natural gas production).....	7-76.330
LABORATORY TESTER (canning & preserving).....	0-50.25
PHARMACEUTICAL-LABORATORY ASSISTANT (professional & kindred).....	0-50.02
SCIENTIFIC HELPER (professional & kindred).....	0-50.23
TESTER HELPER (petroleum refining).....	6-55.920

#### II Occupations requiring brief additional training in industrial methods of analysing and testing various compounds:

BENCHMAN (sugar).....	0-50.24
CELLOPHANE TESTER (fabricated plastic products).....	0-50.48
CLOTH TESTER (garment).....	0-50.32
DAIRY TESTER (agricultural & horticultural services).....	0-50.45
FORMULA MAN (leather manufacturing).....	0-07.22
LABORATORY TESTER (textile).....	0-50.41
PAINT TESTER (paint & varnish).....	0-50.38
PRESCRIPTION CLERK (retail trade).....	0-25.20
SODA TESTER (paper & pulp).....	0-50.35
VACUUM TANK TENDER (corn products).....	4-08.311

#### III Occupations requiring considerable additional training in research, analysis, and developmental work:

BACTERIOLOGIST (professional & kindred).....	0-39.36
CERAMIC ENGINEER (professional & kindred).....	0-15.11
CHEMIST, BIOLOGICAL (professional & kindred).....	0-07.02
CHEMIST, INORGANIC (professional & kindred).....	0-07.21
CHEMIST, ORGANIC (professional & kindred).....	0-07.03
CHEMIST, PHYSICAL (professional & kindred).....	0-07.04
METALLURGIST (jewelry).....	0-07.31
METALLURGIST (professional & kindred).....	0-07.32
PHARMACIST (professional & kindred).....	0-25.10

### RELATED FIELDS OF WORK

Biochemical Work.....	0-X7.03
Mixing, Compounding and Extracting, Assorted Materials.....	4-X6.601



## CHIROPODIST (ARMY TRADE GROUP A)

Makes diagnosis and treats minor ailments of the human foot: removes corns and bunions by medical, mechanical or surgical means, or by massaging; does not perform amputations or use anaesthetics or drugs, other than local anaesthetics or local antiseptics; prescribes correct footwear.

Must be a graduate of a school of chiropody and be a licensed practitioner.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

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#### I Occupations not requiring additional training:

CHIROPODIST (medical services)..... 0-52.01

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#### II Occupations requiring considerable additional training in the use of various machines or other mechanical devices prescribed by physicians for the treatment of patients; or in dental hygiene:

DENTAL HYGIENIST (medical services).....	0-50.07
ELECTROTHERAPIST (personal service).....	0-52.81
HYDROTHERAPIST (personal service).....	0-52.82
MECHANOTHERAPIST (medical services).....	0-52.21
MEDICAL TECHNICIAN (medical services).....	0-50.01
OXYGEN-THERAPY-EQUIPMENT TECHNICIAN (medical services)	0-50.03

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### RELATED FIELDS OF WORK

Nursing and Medical Work..... 0-X7-02

## CLEANER (LOCOMOTIVE) (ARMY TRADE GROUP C)

Services locomotives in roundhouse: cleans, wipes and oils mechanical parts of locomotives; fires boiler and checks steam pressure and water level.

Must have a general knowledge of the principles of the working of a locomotive. Must be thoroughly conversant with local running shed rules and regulations.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

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#### I Occupations not requiring additional training:

BOILER CLEANER (any industry) .....	9-65.14
CAR OILER (I); <i>Car Greaser</i> (bituminous coal mining; iron & steel; metal mining) .....	9-71.01
HOSTLER (ship & boat building & repairing) .....	7-70.050
LOOM OILER (textile) .....	9-63.41
MARINE OILER (water transportation) .....	7-71.110
OILER (I) (any industry) .....	9-71.01
TIPPLE OILER (bituminous coal mining) .....	9-71.01

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#### II Occupations requiring brief additional training in firing and operating stationary, locomotive or marine boilers; or in repairing marine boiler room equipment:

FIREMAN, INDUSTRIAL LOCOMOTIVE (any industry) .....	5-42.200
FIREMAN, MARINE (water transportation) .....	7-70.210
FIREMAN, LOW PRESSURE (any industry) .....	7-70.010
FIREMAN, PORTABLE BOILER (any industry) .....	7-70.070
FIREMAN, YARD (railroad transportation) .....	5-42.100
HOSTLER, OUTSIDE (railroad transportation) .....	5-41.030
MAINTENANCE MAN, ENGINE (water transportation) .....	5-83.641

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#### III Occupations requiring considerable additional training in methods of inspecting or repairing railroad rolling stock:

CAR-TRUCK MECHANIC (railroad locomotive & car building & repairing) .....	5-79.025
ENGINE REPAIRMAN (railroad locomotive & car building & repairing) .....	5-79.050
EQUIPMENT INSPECTOR (railroad transportation) .....	5-76.030
MOTOR-AND-TRUCK REPAIRMAN (railroad locomotive & car building & repairing) .....	5-79.630
RAILROAD-CAR INSPECTOR (railroad transportation) .....	5-76.020
TENDER-TRUCK REPAIRMAN (railroad locomotive & car building & repairing) .....	5-79.020
WHEEL INSPECTOR (railroad transportation) .....	7-76.040

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### RELATED FIELDS OF WORK

Hauling Machine Operating .....	4-X2.492
Miscellaneous Mechanical Repairing .....	4-X2.109
Simple Non-Metal Furnace and Boiler Tending .....	6-X2.608

## CLERK (ARMY TRADE GROUP C)

Under supervision, performs routine office duties in a military unit: maintains register of all correspondence received; files copies of correspondence for future reference; operates standard keyboard typewriter; makes entries on regimental and other documents; amends Routine Orders manuals, and other publications as required; registers and despatches mail; maintains typewriter.

Must be familiar with security regulations, official abbreviations, arm of the Service and its relation to other arms, methods of correspondence, military terms and general office routine. Must be able to type 15 w.p.m. and write ordinary memoranda.

RELATED CIVILIAN EMPLOYMENT	Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>	
CLERK, GENERAL (clerical & kindred).....	1-04.01
CLERK, GENERAL OFFICE (clerical & kindred).....	1-05.01
CLERK-TYPIST (clerical & kindred).....	1-37.34
FILE CLERK (clerical & kindred).....	1-17.03
MAIL CLERK (clerical & kindred).....	1-18.01
TYPIST (clerical & kindred).....	1-37.32
<b>II Occupations requiring brief training to learn stock taking and order taking, stock keeping or techniques of preparing correspondence; or training in insurance office routine:</b>	
CHECKER (clerical & kindred).....	1-03.02
CORRESPONDENCE AND REPORT-ENTRY CLERK (insurance).....	1-16.02
CORRESPONDENCE CLERK (clerical & kindred).....	1-16.01
CORRESPONDENT ON REAL ESTATE SOLD (insurance).....	1-16.03
INVENTORY CLERK (clerical & kindred).....	1-04.01
ORDER CLERK (clerical & kindred).....	1-18.63
REPAIR-SHOP CLERK (clerical & kindred).....	1-05.01
<b>III Occupations requiring brief additional training to learn banking procedures or to learn clerical routine connected with a library or newspaper office where dealing with the public is necessary:</b>	
ANNUITY-RECORD CLERK (insurance).....	1-08.02
COUNTER CLERK; <i>Want Ad Clerk</i> (printing & publishing).....	1-10.01
EMPLOYMENT CLERK (clerical & kindred).....	1-18.31
EXCHANGE CLERK (banking).....	1-06.32
LIBRARIAN ASSISTANT (library).....	1-20.01
STATION-HOUSE CLERK (governmental services).....	1-49.88
ROUTING CLERK (banking).....	1-06.28
TRAVEL-BUREAU CLERK (clerical & kindred).....	1-18.42
<b>RELATED FIELDS OF WORK</b>	
Routine Clerical Work.....	1-X4.9
Routine Recording Work.....	1-X2.9
Typing.....	1-X2.2



## CLERK (ACCOUNTANT) (ARMY TRADE GROUP B)

In addition to duties of Clerk (Group C), sets up and keeps bookkeeping system; sets up and keeps ledgers, cash books, financial statements, journal, and synoptic ledger; supervises proper keeping of order book, stock book, Steward's cash book and minute book; keeps accounts and records for mechanical transport, fuel and light, petrol, orderly room, pay, supplies, transport and freight (as applicable to his particular duties); compiles balance sheet and monthly statements; operates standard keyboard typewriter.

Must know Canadian Army Routine Orders, King's Regulations and Orders for the Canadian Militia (as affecting accounting) and Rules for the Management of Messes and Canteens.

Must have completed a minimum of three months satisfactory service in a unit or formation establishment as Clerk (Group C).

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

ACCOUNTING CLERK (clerical & kindred).....	1-01.31
BOOKKEEPER (clerical & kindred).....	1-01.02
COST CLERK (clerical & kindred).....	1-01.35
ENTRY CLERK (clerical & kindred).....	1-01.36
FOOD CONTROLLER (hotel & restaurant).....	1-01.08
POSTING CLERK (clerical & kindred).....	1-01.43

#### II Occupations requiring brief training in techniques of operating various kinds of bookkeeping and calculating machines:

ADDING-MACHINE OPERATOR (clerical & kindred).....	1-25.12
BOOKKEEPING-MACHINE OPERATOR (clerical & kindred).....	1-02.01
CALCULATING-MACHINE OPERATOR (clerical & kindred).....	1-25.13
COMPTOMETER OPERATOR (clerical & kindred).....	1-25.13
POSTING-MACHINE OPERATOR (clerical & kindred).....	1-02.04

#### III Occupations requiring considerable additional training in the application of principles of accounting, cost analysis or statistical analysis to problems of fiscal management, auditing or statistical research:

ACCOUNTANT, COST (professional & kindred).....	0-01.10
ACCOUNTANT, GENERAL (professional & kindred).....	0-01.20
ACCOUNTANT, PUBLIC (professional & kindred).....	0-01.30
ACCOUNTANT, REVENUE (radio broadcasting).....	0-01.20
ACCOUNTANT, TAX (professional & kindred).....	0-01.40
AUDITOR (professional & kindred).....	0-01.60
STATISTICIAN (professional & kindred).....	0-28.10

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### RELATED FIELDS OF WORK

Accounting and Related Work.....	0-X7.11
General Recording Work.....	1-X2.0

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For additional information see CLERK (ARMY TRADE GROUP C)

## CLERK (DEPARTMENTAL) (ARMY TRADE GROUP B)

In addition to duties of Clerk (Group C), performs, without supervision, general office work in a military establishment: maintains register of all correspondence received; drafts and types letters and memoranda as required; files copies of outgoing correspondence for future reference; compiles routine returns; records entries on regimental documents from Part II orders; records amendments to all manuals, regulations, orders, etc.; prepares correspondence for mailing.

Must have thorough knowledge of office routine. Must have a thorough knowledge of all military forms and systems of filing used by the arm of the service to which assigned. Must know proper channels of communication and the proper treatment of confidential security and secret correspondence, maps or publications.

Must have completed a minimum of three months satisfactory service in a unit or formation establishment as Clerk (Group C).

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

CLERK, GENERAL OFFICE (clerical & kindred).....	1-05.01
CLERK-TYPIST (clerical & kindred).....	1-37.34
ENTRY CLERK (clerical & kindred).....	1-01.36
FILE CLERK (clerical & kindred).....	1-17.01
TYPIST (clerical & kindred).....	1-37.32

#### II Occupations requiring additional training in taking and transcribing dictation:

COMPANY-HOSPITAL CLERK (clerical & kindred).....	1-05.01
LEGAL STENOGRAPHER (clerical & kindred).....	1-37.12
SECRETARY (clerical & kindred).....	1-33.01
SOCIAL SECRETARY (clerical & kindred).....	1-33.02
STENOGRAPHER (clerical & kindred).....	1-37.12

#### III Occupations requiring considerable additional training in techniques of supervising workers engaged in clerical duties:

CHIEF CLERK (any industry).....	0-97.13
CLERICAL TECHNICIAN (professional & kindred).....	0-69.97
JUNIOR EXECUTIVE (any industry).....	0-97.14
MANAGER, OFFICE (any industry).....	0-97.12
MANAGER, STOCKROOM (clerical & kindred).....	1-38.50
PAYMASTER (clerical & kindred).....	1-26.01
ROUTEMAN (ship & boat building & repairing).....	0-97.53

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### RELATED FIELDS OF WORK

Classifying and Related Work.....	1-X4.0
General Recording Work.....	1-X2.0

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For additional information see CLERK (ARMY TRADE GROUP C).

## CLERK (STENOGRAPHER) (ARMY TRADE GROUP B)

In addition to duties of Clerk (Group C), performs general office and stenographic work in a military unit: takes dictation; transcribes notes; types letters and memoranda.

Must have practical experience in office routine and be familiar with military terms, forms and methods of correspondence. Must be able to take dictation at the rate of 80 w.p.m. Must be able to type from unfamiliar copy at speed of 40 w.p.m.

Must have completed a minimum of three months satisfactory service in a unit or formation establishment as a Clerk (Group C).

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

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#### I Occupations not requiring additional training:

CLERK-TYPIST (clerical & kindred).....	1-37.34
CONTINUITY CLERK (motion picture).....	1-37.21
SOCIAL SECRETARY (clerical & kindred).....	1-33.02
STENOGRAPHER (clerical & kindred).....	1-37.12
TYPIST (clerical & kindred).....	1-37.32

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#### II Occupations requiring brief training in techniques of operating specific office machine:

BOOKKEEPING-MACHINE OPERATOR (clerical & kindred).....	1-02.01
DUPLICATING-MACHINE OPERATOR (clerical & kindred).....	1-25.32
STENOTYPE-OPERATOR (clerical & kindred).....	1-37.14
TELEGRAPHIC-TYPEWRITER OPERATOR (clerical & kindred).....	1-37.33
TRANSCRIBING-MACHINE OPERATOR (clerical & kindred).....	1-37.36
TYPEWRITER OPERATOR, AUTOMATIC (clerical & kindred).....	1-37.37
VARITYPIST (clerical & kindred).....	1-37.38

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#### III Occupations requiring additional training to learn bookkeeping, accounting or statistical work; or to become familiar with recording court proceedings:

ACCOUNTING CLERK (clerical & kindred).....	1-01.31
BOOKKEEPER (clerical & kindred).....	1-01.02
COURT REPORTER (clerical & kindred).....	1-37.18
LEGAL STENOGRAPHER (clerical & kindred).....	1-37.12
SECRETARY (clerical & kindred).....	1-33.01
STATISTICAL CLERK (clerical & kindred).....	1-36.01

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### RELATED FIELDS OF WORK

Stenographic Work.....	1-X2.3
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For additional information see CLERK (ARMY TRADE GROUP C).



## CLERK (SUPERINTENDING OR ENGINEERING ACCOUNTANT) (ARMY TRADE GROUP A)

Supervises clerical work of a branch, department, section or sub-section; allocates duties to sub-staff; directs to proper section for action incoming correspondence and files; compiles duty roster; trains sub-staff; maintains military discipline of sub-staff.

Must have a basic knowledge of all phases of work performed by the directorate or office to which assigned. Should know work being performed by each section or sub-section. Must know all regulations, orders, etc., that affect the workings of directorate or office.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

CHIEF CLERK (any industry) .....	0-97.13
CLERK, GENERAL OFFICE (clerical & kindred) .....	1-05.01
COMPILER (clerical & kindred) .....	1-36.06
EMPLOYMENT CLERK (clerical & kindred) .....	1-18.31
EXPEDITER (clerical & kindred) .....	1-34.02
PERSONNEL CLERK (clerical & kindred) .....	1-18.32

#### II Occupations requiring brief training in methods of stockkeeping or machine recording; or in supervising workers performing such duties:

STOCK CLERK; <i>Stock Room Clerk; Stockkeeper</i> (clerical & kindred)....	1-38.01
STOCK-CONTROL CLERK (clerical & kindred) .....	1-38.04
STOCK-CONTROL SUPERVISOR (clerical & kindred) .....	1-38.04
STOCK FOREMAN (clerical & kindred) .....	1-38.01
SUPERVISOR, MACHINE RECORDS UNIT (clerical & kindred) .....	1-25.67
TOOL CLERK; <i>Tool Crib Attendant</i> (clerical & kindred) .....	1-38.05
TOOL-CLERK FOREMAN (clerical & kindred) .....	1-38.05

#### III Occupations requiring considerable additional training in office and personnel management:

CLERICAL TECHNICIAN; <i>Methods Man</i> (professional & kindred) .....	0-69.97
JUNIOR EXECUTIVE (any industry) .....	0-97.14
MANAGER, INSURANCE OFFICE (insurance) .....	0-98.07
MANAGER, OFFICE (any industry) .....	0-97.12
MANAGER, PERSONNEL (any industry) .....	0-39.83
SECRETARY, ADMINISTRATIVE (any industry) .....	0-97.03

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### RELATED FIELDS OF WORK

Managerial Work (Clerical, Administrative, Fiscal, Sales) .....	0-X8.10
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## CLERK (TYPIST) (ARMY TRADE GROUP B)

In addition to duties for Clerk (Group C), types correspondence and returns and compiles orders and memoranda, using a standard or long carriage typewriter; compiles Routine Orders, memoranda, letters and precis from details supplied; registers correspondence; types statements and returns on stencils, ditto and ordinary type copy.

Must know Army organization and administration. Must know channels of communication, registration of correspondence and security documents. Must know standard military forms and their uses. Must know Army accounting, King's Regulations and Orders, Financial Regulations and Instructions. Must be able to type unfamiliar copy at 40 w.p.m., to write orders, memoranda and precis and to set up and operate standard filing system.

Must have completed a minimum of three months satisfactory service in a unit or formation establishment as Clerk (Group C).

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

CLERK-TYPIST (clerical & kindred) .....	1-37.34
CORRESPONDENCE CLERK (clerical & kindred) .....	1-16.01
DUPLICATING-MACHINE OPERATOR (clerical & kindred) .....	1-25.23
MIMEOSCOPE OPERATOR (clerical & kindred) .....	1-85.85
STENCIL CUTTER (clerical & kindred) .....	1-37.32
TYPIST (clerical & kindred) .....	1-37.32

#### II Occupations requiring brief training in the general clerical routine of checking, ordering and posting:

CHECKER (clerical & kindred) .....	1-03.02
COMPILER (clerical & kindred) .....	1-36.06
INFORMATION CLERK (clerical & kindred) .....	1-18.42
ORDER CLERK (clerical & kindred) .....	1-18.63
POST-OFFICE CLERK (retail trade) .....	1-12.38
POSTING CLERK (clerical & kindred) .....	1-01.43
RECORD CLERK (hotel & restaurant) .....	1-37.32

#### III Occupations requiring additional training to learn to operate a specific office machine; or to learn to take and transcribe dictation:

ADDRESSING-MACHINE OPERATOR (clerical & kindred) .....	1-25.41
CHECK-WRITING-MACHINE OPERATOR (clerical & kindred) .....	1-25.91
MIMEOGRAPH OPERATOR (clerical & kindred) .....	1-25.22
SECRETARY (clerical & kindred) .....	1-33.01
STENOGRAPHER (clerical & kindred) .....	1-37.12
TELEGRAPHIC-TYPEWRITER OPERATOR (clerical & kindred) .....	1-37.33
TRANSCRIBING-MACHINE OPERATOR (clerical & kindred) .....	1-37.36
TYPEWRITER OPERATOR, AUTOMATIC (clerical & kindred) .....	1-37.37

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### RELATED FIELDS OF WORK

Routine Clerical Work .....	1-X4.9
Typing .....	1-X2.2

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For additional information see CLERK (ARMY TRADE GROUP C).

## COACH PAINTER (ARMY TRADE GROUPS C and B)

Prepares surfaces and paints bodies of motor vehicles: prepares metal or wooden surfaces for painting by cleaning, scraping and sanding; mixes and matches paint and maintains at correct consistency with thinning fluids; applies paint economically and efficiently to a motor vehicle body of wood or metal; does lettering and striping; estimates the amount of paint needed for any job.

Must know the physical properties of the more commonly used paint bases and pigments. Must know how paint is made and its reaction to varying weather conditions. The Coach Painter (Group B) must know camouflage techniques.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

PAINTER (construction).....	5-27.010
PAINTER, AUTOMOBILE (automotive services).....	5-16.910
PAINTER, CAR (railroad locomotive & car building & repairing).....	5-16.151
PAINTER, HELPER, AUTOMOBILE (automotive services).....	7-16.895
PAINTER, ROUGH (construction).....	7-27.010
PAINTER, SIGN (any industry).....	5-27.910
STRIPER, HAND (aircraft manufacturing; automobile manufacturing)....	7-16.610

#### II Occupations requiring brief on-the-job training in hand painting furniture or varied large surfaces; or in the application of paints, varnishes or lacquers with a spray gun:

FURNITURE FINISHER (any industry).....	5-16.710
GRAINER, HAND (automobile manufacturing; construction; furniture).....	5-16.920
PAINTER, FRAME (mirror & picture frames).....	5-16.740
PAINTER, FURNITURE (furniture).....	5-16.720
PAINTER, SPRAY (any industry).....	7-16.210
PAINTER, STRUCTURAL STEEL (construction).....	5-27.020
VARNISHER (ship & boat building & repairing).....	5-27.140

#### III Occupations requiring additional training in industrial methods of mixing and blending paints, varnishes or lacquers:

COLOR MATCHER (leather manufacturing).....	5-18.520
COLOR MIXER (window shade & fixtures).....	4-39.521
COLORIST (textile).....	5-18.310
COLORMAN (hat and cap).....	5-18.610
MIXER (paint & varnish).....	4-50.311
TINTER (paint & varnish).....	4-50.312
VARNISH MAKER (paint & varnish).....	4-50.331

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### RELATED FIELDS OF WORK

Rough Structural Painting (Brush or Spray).....	6-X4.246
Structural Painting and Related (Brush or Spray).....	4-X6.246
Non-Metal Mixing, Compounding, Extracting.....	6-X2.601



## COACH TRIMMER AND UPHOLSTERER (ARMY TRADE GROUPS C and B)

Makes, repairs or replaces upholstery and fabric parts for automotive equipment; cuts patterns from which lining and upholstery materials are to be made; cuts material, cushions, interior panels and headlinings; using a sewing machine and/or hand methods, makes such articles as collapsible tops of motor cars, tarps, frost covers, side curtains, etc.; fits and replaces nailing strips, bows and wood or fibre elements of body construction, using various hand tools; rebuilds cushion springs and repads cushions; removes and replaces linings, interior trim, hardware, dome lights and switches; applies soundproofing materials to car body interior; lubricates, threads and winds bobbin and adjusts tension of sewing machine. The Coach Trimmer and Upholsterer (Group B) estimates material and time required for a job.

Must know working characteristics of materials used.

RELATED CIVILIAN EMPLOYMENT	Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>	
ARM-REST TRIMMER (automobile manufacturing).....	6-35.610
AUTOMOBILE UPHOLSTERER (automotive services).....	4-35.610
AUTOMOBILE UPHOLSTERER APPRENTICE (automotive services).....	7-99.824
CANVAS-COVER REPAIRMAN (any industry).....	6-27.814
CUSHION BUILDER (automobile manufacturing).....	6-35.130
SEWING-MACHINE OPERATOR (canvas goods, flags & banners).....	6-27.504
UPHOLSTERER HELPER (automotive services).....	9-85.03
<b>II Occupations requiring brief training to learn industrial methods of canvas working, furniture upholstery or airplane fabric or parachute work; and to learn the use of tools which may be unfamiliar:</b>	
AIRPLANE COVERER (aircraft manufacturing).....	5-03.010
AWNING MAKER (canvas goods, flags & banners).....	6-27.811
CANVAS WORKER (canvas goods, flags & banners; ship & boat building & repairing).....	4-27.811
PARACHUTE REPAIRMAN (air transportation; aircraft manufacturing).....	6-27.950
SAIL FINISHER (canvas goods, flags & banners).....	4-27.812
SAIL LAY-OUT MAN (canvas goods, flags & banners).....	4-27.813
UPHOLSTERER (aircraft manufacturing; furniture; retail trade; ship & boat building & repairing).....	4-35.720
UPHOLSTERY CUTTER (furniture; retail trade).....	4-35.120
<b>III Occupations requiring additional training to learn details of operating power sewing machines to stitch fabric, leather or related materials on a production basis:</b>	
BACKSTAY STITCHER (boot & shoe).....	4-61.211
EDGE STITCHER (boot & shoe).....	4-61.215
HIGH-MACHINE OPERATOR (hat & cap).....	6-24.231
LEATHER-REPAIRING STITCHER (leather manufacturing).....	6-59.211
MATTRESS-SPRING ENCASER (mattress & bedspring).....	6-36.422
RUG REPAIRER (cleaning, dyeing, & pressing).....	4-27.374
STITCHER, UTILITY (boot & shoe).....	4-61.227
<b>RELATED FIELDS OF WORK</b>	
Bench Work, Fabric, Leather and Related.....	4-X6.35
Bench Work, Fabric, Leather and Related.....	6-X4.35

## CONCRETOR (ARMY TRADE GROUP C)

Mixes, measures, pours and spades concrete into forms; measures and mixes sand and aggregate in a concrete mixer; pours and spades concrete; levels concrete to grade and rough finishes; floats floors to rough finish; builds runways; strips and cleans forms.

Must be able to spade concrete to avoid honeycombing.

RELATED CIVILIAN EMPLOYMENT	Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>	
CEMENT-BLOCK MOLDER (concrete products).....	6-67.610
CEMENT-GUN NOZZLEMAN (construction).....	7-32.122
CONCRETE-FINISHER APPRENTICE (construction).....	7-97.450
CONCRETE-MIXER OPERATOR (I) (construction).....	7-23.330
CONCRETE-PAVER-OPERATOR HELPER (construction).....	7-32.115
MIXER OPERATOR; <i>Limeman</i> (lime).....	6-67.340
SAND MIXER, MACHINE (foundry).....	6-82.310
<b>II Occupations requiring brief on-the-job training to operate machines which may be unfamiliar:</b>	
CEMENT FINISHER (construction).....	5-26.100
CEMENTING OPERATOR, OIL-WELL (petroleum & natural gas production).....	7-20.030
CONCRETE-GUN OPERATOR (construction).....	7-32.116
CONCRETE-WALL-GRINDER OPERATOR (construction).....	7-32.126
CRUSHER OPERATOR (construction).....	7-22.340
MILLER (cement).....	6-67.030
MILLMAN (brick, tile, & nonclay refractories).....	6-66.014
PUG-MILL OPERATOR (brick, tile, & nonclay refractories; electrical equipment; pottery & porcelain ware).....	6-66.013
<b>III Occupations requiring considerable additional training in the operation of asphalt, concrete, or plastic mixing machines:</b>	
ASPHALT-MASTIC-FLOOR LAYER (construction).....	5-23.751
ASPHALT-PLANT OPERATOR (construction).....	5-23.510
CENTRAL-BATCH-PLANT OPERATOR (construction).....	5-23.310
CONCRETE-MIXER OPERATOR (II) (construction).....	5-23.330
CONCRETE-PAVER OPERATOR (construction).....	5-23.350
PLASTERER, MACHINE (foundry).....	6-82.940
PLASTICATOR TENDER (rubber goods; rubber tire & tube).....	6-57.014
<b>RELATED FIELDS OF WORK</b>	
Non-Metal Mixing, Compounding, Extracting (Excepting Petroleum, Mineral Ores, and Foods).....	6-X2.601
Plastic Material Spreading (Trowel and Related).....	4-X6.244

## CONCRETOR (ARMY TRADE GROUP B)

Supervises mixing and pouring of concrete; determines mix for given strength; supervises mixing and spading; grades, floats and trowels concrete to finish; constructs, erects and strips simple forms; bends and places simple reinforcing rods. May operate several types of mixers. May make slump test.

Must know curing of concrete and methods of protection against frost. Must have a general knowledge of the chemical and physical properties of limes and cements. Should be able to estimate time and materials required from drawings and specifications.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

BATCH-PLANT OPERATOR (construction).....	7-23.310
CEMENT-GUN-MIXING-MACHINE OPERATOR (construction).....	7-32.121
CEMENT-TESTER ASSISTANT (cement).....	0-50.22
CONCRETE-GUN OPERATOR (construction).....	7-32.116
CONCRETE-MIXER OPERATOR (I) (construction).....	7-23.330
CONCRETE-PUMP OPERATOR (construction).....	7-32.117
CONCRETE-WALL-GRINDER OPERATOR (construction).....	7-32.126
MIXER TENDER (I) (cement).....	6-67.070

#### II Occupations requiring brief additional training in methods of finishing cement or concrete; or in supervision of groups of concrete workers; or in the operation of paving-machines or a number of large concrete mixers:

CEMENT FINISHER (construction).....	5-26.100
CEMENT FINISHER, CURB BUILDING (construction).....	5-26.200
CEMENT FINISHER, HIGHWAYS AND STREETS (construction).....	5-26.200
CEMENT-FINISHING FOREMAN (construction).....	5-94.040
CEMENT-PAVER OPERATOR (construction).....	5-23.250
CEMENTER (ship & boat building & repairing).....	5-26.100
CONCRETE-MIXER OPERATOR (II) (construction).....	5-23.330
CONCRETING FOREMAN (construction).....	5-94.040

#### III Occupations requiring considerable additional training in operation of mixing plants; or in techniques of plastering, stuccoing, or terrazzo work:

ASPHALT-PLANT OPERATOR (construction).....	5-23.510
CONCRETE-BATCHING-AND-MIXING-PLANT FOREMAN (construction).....	5-94.040
PLASTERER (construction).....	5-29.100
STUCCO MASON (construction).....	5-29.300
TERRAZZO WORKER (construction).....	5-24.510

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### RELATED FIELDS OF WORK

Non-Metal Mixing, Compounding, Extracting (Excepting Petroleum, Mineral Ores, and Foods).....	6-X2.601
Plastic Material Spreading (Trowel and Related).....	4-X6.244

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For additional information see CONCRETOR (ARMY TRADE GROUP C).



## COOK (ARMY TRADE GROUP C)

Prepares and cooks army rations; prepares rations by cleaning, jointing, boning, defrosting, measuring and weighing; cooks rations by roasting, baking, boiling, steaming, broiling, stewing and frying; cuts and prepares for consumption meat, fowl, fish and vegetables; recovers and uses fats, suet, trimmings, by-products and bones; makes up dishes from unconsumed food; makes tea, coffee and cocoa; keeps apparatus, machines and kitchens clean and in good operating condition; stokes and maintains field cooking equipment, using various fuels such as coal, coke, wood, gasoline, oil, waste oil, natural or artificial gas; keeps army rations clean, dry, orderly, properly hung, stored and stacked.

Must know the principles and methods of cooking army rations. Must know the composition of haversack rations. Must know construction and use of improvised apparatus and methods of mess tin and insulation cooking. Must know scale of rations in effect. Must be in good health and free from venereal disease, any history of tuberculosis, typhoid, para-typhoid, or dysentery.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

COOK HELPER (hotel & restaurant).....	2-29.01
COOK HELPER, PASTRY (hotel & restaurant).....	2-29.02
COOK, SHORT ORDER (hotel & restaurant).....	2-26.33
COOK, THIRD (water transportation).....	2-26.65
COOKEE (logging).....	2-29.71
KITCHEN CLERK (hotel & restaurant).....	1-03.06
SECOND-COOK AND BAKER (water transportation).....	2-26.64

#### II Occupations requiring brief training to learn technique of cooking for hotels, restaurants or private homes:

COOK (domestic service).....	2-05.01
COOK (hotel & restaurant).....	2-26.32
COOK, CAMP (any industry).....	2-26.51
COOK, MESS (water transportation).....	2-26.61
COOK, RAILROAD (railroad transportation).....	2-26.41
SOUS CHEF (hotel & restaurant).....	2-26.02

#### III Occupations requiring additional training in industrial methods of cooking:

COFFEE ROASTER (coffee, tea, & spice processing & packing).....	6-10.012
COOK, DRY-APPLE PULP (canning & preserving).....	6-04.310
COOK, GLACE FRUIT (canning & preserving).....	6-04.310
COOK, MAYONNAISE (canning & preserving).....	6-04.340
COOK, PICKLED MEAT (canning & preserving).....	6-04.350
COOK, VEGETABLE (canning & preserving).....	6-04.380
EXTRACT MAKER (flavouring extract & flavouring syrup).....	6-10.110
HAM BOILER (slaughtering & meat packing).....	6-09.324

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### RELATED FIELDS OF WORK

Mixing, Compounding and Cooking, Foods and Related.....	4-X6.671
Quantity Cooking (Including Food Preparation).....	2-X1.2

## COOK (ARMY TRADE GROUP B)

In addition to duties of Cook (Group C), plans and prepares meals: makes fruit and vegetable salads, pies, sausage-meat, headcheese, gelatines, fish and meat pastes, various fish, egg and meat dishes; carves and slices meat; bakes basic bun dough, cakes, pastry and suet crust; plans menus from available rations.

Must have had two years practical experience as a cook in civilian and/or military service. Must be in good health and free from venereal disease, any history of tuberculosis, typhoid, para-typhoid or dysentery.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

CHEF (hotel & restaurant).....	2-26.31
COOK, CAMP (any industry).....	2-26.51
COOK, CHIEF (water transportation).....	2-26.63
COOK, MESS (water transportation).....	2-26.61
COOK, PASTRY (hotel & restaurant).....	2-26.18
COOK, RAILROAD (railroad transportation).....	2-26.41
ROUNDSMAN; <i>Relief Cook</i> (hotel & restaurant).....	2-26.03

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#### II Occupations requiring brief on-the-job training in a specialized type of cooking or in industrial or commercial methods of cooking food:

BAKER (bakery products).....	4-01.100
CANDY MAKER (confectionery).....	4-05.211
COOK, COMBINATION (hotel & restaurant).....	2-26.05
COOK, DESSERT (hotel & restaurant).....	2-26.06
COOK, FISH (hotel & restaurant).....	2-26.07
COOK, PRESERVE (canning & preserving).....	6-04.360
DELICATESSEN MAKER (slaughtering & meat packing).....	6-09.352
ICE-CREAM MAKER (ice cream).....	4-06.010

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#### III Occupations requiring considerable training in supervision of restaurant or kitchen employees; in purchasing supplies; or in planning the preparation and service of food:

COUNTER SUPERVISOR (hotel & restaurant).....	2-25.16
DIETICIAN (professional & kindred).....	0-39.93
KITCHEN SUPERVISOR (hotel & restaurant).....	2-25.41
MANAGER ASSISTANT, KITCHEN (hotel & restaurant).....	2-25.42
MANAGER, CAFETERIA OR LUNCH ROOM (hotel & restaurant).....	0-71.21
MANAGER, CATERING (hotel & restaurant).....	0-71.15
STEWARD (hotel & restaurant).....	2-25.12

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### RELATED FIELDS OF WORK

Mixing, Compounding and Cooking, Foods and Related.....	4-X6.671
Quantity Cooking (Including Food Preparation).....	2-X1.2

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For additional information see COOK (ARMY TRADE GROUP C).

## COOK (HOSPITAL) (ARMY TRADE GROUP C)

Prepares and cooks hospital rations, keeps machines, equipment and kitchens clean and in good operating condition: prepares and cooks vegetables, desserts, fish, fowl and meat; makes tea, coffee, cocoa, soup stocks and broth; bakes biscuits, rolls, pies and cakes; recovers and uses such by-products as fats, suet, trimmings and bones; uses any service type cooker with such fuels as coal, wood, coke, gasoline, oil, natural gas or artificial gas; stores and keeps army rations in proper condition.

Must have had one year at high or technical school, and have passed an approved course at Army School of Cooking. Must be in good health and free from venereal disease, any history of tuberculosis, typhoid, para-typhoid or dysentery.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

COOK (domestic service).....	2-05.01
COOK (hotel & restaurant).....	2-26.32
COOK, CAMP (any industry).....	2-26.51
COOK, SHORT ORDER (hotel & restaurant).....	2-26.33
COOK, THIRD (water transportation).....	2-26.65
ROUNDSMAN; <i>Relief Cook</i> (hotel & restaurant).....	2-26.03

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#### II Occupations requiring brief training in specialized cooking processes:

COOK, BROILER (hotel & restaurant).....	2-26.04
COOK, CHIEF (water transportation).....	2-26.63
COOK, COMBINATION (hotel & restaurant).....	2-26.05
COOK, DESSERT (hotel & restaurant).....	2-26.06
COOK, FISH (hotel & restaurant).....	2-26.07
COOK, FRY (hotel & restaurant).....	2-26.08
COOK, PASTRY (hotel & restaurant).....	2-26.18
COOK, RAILROAD (railroad transportation).....	2-26.41
COOK, ROAST (hotel & restaurant).....	2-26.11

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#### III Occupations requiring additional training in industrial methods of cooking food:

BATTER MIXER (bakery products).....	4-01.600
COOK (slaughtering & meat packing).....	4-09.212
COOK, MAYONNAISE (canning & preserving).....	6-04.340
COOK, PICKLED MEAT (canning & preserving).....	6-04.350
COOKY MIXER (bakery products).....	4-01.500
DELICATESSEN MAKER (slaughtering & meat packing).....	6-09.352
HAM BOILER (slaughtering & meat packing).....	6-09.324
MERINGUE MIXER (bakery products).....	6-02.323

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### RELATED FIELDS OF WORK

Processing, Foods and Related.....	4-X6.67
Quantity Cooking (Including Food Preparation).....	2-X1.2



## COOK (HOSPITAL) (ARMY TRADE GROUP B)

In addition to duties of Cook (Hospital) (Group C), takes charge of kitchen and directs sub-staff; arranges and prepares diet sheets and diets (ordinary, soft, liquid, or reducing).

Must have knowledge of nutrition and dietetics. Must have had two years practical experience in Army cooking, of which six months should be in hospital. Must be in good health and free from venereal disease, any history of tuberculosis, typhoid, para-typhoid or dysentery.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief training in the profitable operation of the kitchen of a hotel or restaurant:

CHEF (hotel & restaurant).....	2-26.31
COUNTER SUPERVISOR (hotel & restaurant).....	2-25.16
EXECUTIVE CHEF (hotel & restaurant).....	2-26.01
KITCHEN SUPERVISOR (hotel & restaurant).....	2-25.41
MANAGER ASSISTANT, KITCHEN (hotel & restaurant).....	2-25.42
MANAGER, BOARDING-HOUSE (hotel & restaurant).....	2-23.20

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#### II Occupations requiring additional training in methods of inspecting or grading special food products:

BACON INSPECTOR (slaughtering & meat packing).....	6-09.322
BEEF GRADER (slaughtering & meat packing).....	6-09.351
BUTTER GRADER (dairy products).....	7-76.115
CREAM GRADER (dairy products).....	4-06.510
FISH INSPECTOR (canning & preserving).....	6-04.030
INSPECTOR (canning & preserving).....	6-04.930
TASTER (II) (professional & kindred).....	0-69.93

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### RELATED FIELDS OF WORK

Processing, Foods and Related.....	4-X6.67
Quantity Cooking (Including Food Preparation).....	2-X1.2

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For additional information see COOK (HOSPITAL) (ARMY TRADE GROUP C).

## COOK (HOSPITAL) (ARMY TRADE GROUP A)

In addition to duties of Cook (Hospital) (Groups C and B), supervises the operation of kitchens of a 1,200 bed hospital: plans menus and requisitions food and supplies; supervises sub-staff and cooks; instructs and trains Cooks (Hospital) (Groups C and B).

Must have thorough knowledge of Manual of Cookery and Dietary. Must have at least two years practical experience in all branches of cookery. Must be in good health and free from venereal disease, any history of tuberculosis, typhoid, paratyphoid or dysentery.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

CHEF (hotel & restaurant).....	2-26.31
COUNTER SUPERVISOR (hotel & restaurant).....	2-25.16
DIETICIAN (professional & kindred).....	0-39.93
KITCHEN SUPERVISOR (hotel & restaurant).....	2-25.41
MANAGER ASSISTANT, KITCHEN (hotel & restaurant).....	2-25.42
SOUS CHEF (hotel & restaurant).....	2-26.02
STEWARD (hotel & restaurant).....	2-25.12

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#### II Occupations requiring brief training in general supervision of personnel or in purchase of supplies for restaurant, hotel, or similar establishment; or in meeting and dealing with the public:

CATERER (personal service).....	0-71.01
MAITRE D'HOTEL (hotel & restaurant).....	0-71.11
MANAGER, CAFETERIA OR LUNCH ROOM (hotel & restaurant).....	0-71.21
MANAGER, CATERING (hotel & restaurant).....	0-71.15
MANAGER, RESTAURANT OR COFFEE SHOP (hotel & restaurant)...	0-71.23
PURCHASING AGENT (any industry).....	0-91.60
SUPERINTENDENT, SERVICE (hotel & restaurant).....	2-25.11

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#### III Occupations requiring considerable additional training to learn government standards of purity in handling foods or drugs:

FISH INSPECTOR (governmental services).....	0-95.12
FOOD AND DRUG INSPECTOR; <i>Fruit and Vegetable Inspector</i> (governmental services).....	0-95.11
PERISHABLE-FREIGHT INSPECTOR (railroad transportation).....	0-79.21
SANITARY INSPECTOR (governmental services).....	0-95.16

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### RELATED FIELDS OF WORK

Managerial Work, Personal Service.....	0-X8.25
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For additional information see COOK (HOSPITAL) (ARMY TRADE GROUPS C and B).

## COPPERSMITH (ARMY TRADE GROUPS C and B)

Makes and repairs sheet metal containers and fittings; makes templates according to blueprint specifications; bends pipe to a wire template; tins metals; makes articles from tinplate, brass, iron, sheet copper, etc.; rebuilds tubular and honey-comb radiator with torch and soldering iron; cuts sheet metal such as aluminum, steel, copper and zinc with hand shears or square shears; bends metal to desired shape, using bar folder, cornice brake, forming rolls, grooving machine, drill or drill press; welds, nails, solders, bolts or rivets the parts together. The Coppersmith (Group B) operates a small tinsmith or coppersmith shop.

Must know soldering, brazing, welding and the various fluxes and solders required for different metals and types of work. Should know elementary mathematics and metallurgy.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BRAZER (any industry).....	4-85.310
COPPERSMITH (sheet metal work).....	4-80.010
COPPERSMITH (ship & boat building & repairing).....	4-80.080
SHEET-METAL WORKER (sheet metal work).....	4-80.010
TINSMITH (sheet metal work).....	4-80.010
WELDER, ACETYLENE (any industry).....	4-85.030

#### II Occupations requiring brief training to learn various methods of sheet metal work employed in aircraft and automobile manufacture; or to learn the operation of power machines used to shape sheet metal:

AIRPLANE-TANK-AND-COWL MECHANIC (aircraft manufacturing)...	5-80.120
ARBOR-PRESS OPERATOR (any industry).....	6-88.611
AUTOMOBILE-BODY REPAIRMAN, METAL (automotive services)....	5-81.510
FORMING-PRESS OPERATOR (any industry).....	6-88.627
SHEET-METAL INSPECTOR (aircraft manufacturing).....	5-03.820
SHEET-METAL WORKER (ship & boat building & repairing).....	4-88.622
TOGGLE PRESS OPERATOR (automobile manufacturing).....	6-88.630
TUBING-MACHINE OPERATOR (automobile manufacturing).....	4-88.312

#### III Occupations requiring considerable additional training to learn methods of cutting, shaping and fitting of metal plate; or to make templates:

BOAT BUILDER, STEEL (ship & boat building & repairing).....	4-80.070
BOILERMAKER (boilermaking).....	4-83.100
METAL-TANK WORKER; <i>Tank Builder</i> (construction).....	4-84.030
PANEL MAKER (railroad locomotive & car building & repairing).....	4-80.910
SHEET-METAL LAY-OUT MAN (sheet metal work).....	4-80.020
STRUCTURAL-STEEL LAY-OUT MAN (structural & ornamental metal work).....	4-84.620
STRUCTURAL-STEEL WORKER (construction).....	4-84.010
TANK-CAR REPAIRMAN (railroad locomotive & car building & repairing).....	5-79.070
TEMPLATE MAKER (ship & boat building & repairing).....	5-17.220
TEMPLATE MAKER, STRUCTURAL STEEL (structural & ornamental metal work).....	4-84.630

### RELATED FIELDS OF WORK

Heavy Metal Structural Work.....	4-X6.211
Light Metal Structural Work.....	4-X6.213
Sheet Metal Work (Shop).....	4-X6.313



## COURT REPORTER (ARMY TRADE GROUP A)

Reports stenographically the examination of witnesses in question and answer form, judicial opinions, decisions, and other court proceedings: takes testimony at rate of 140 w.p.m.; transcribes notes rapidly.

Must understand procedure governing Courts-Martial, Courts of Enquiry, etc., and in particular the various forms comprised in the proceedings and the order in which they appear.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<hr/>		
<b>I Occupations not requiring additional training:</b>		
COURT REPORTER (clerical & kindred).....		1-37.18
STENOGRAPHER (clerical & kindred).....		1-37.12
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<b>II Occupations requiring brief training in secretarial work; or in news reporting; or in operating a stenotype machine:</b>		
LEGAL STENOGRAPHER (clerical & kindred).....		1-37.12
NEWS REPORTER (printing & publishing).....		0-06.71
SECRETARY (clerical & kindred).....		1-33.01
STENOTYPE OPERATOR (clerical & kindred).....		1-37.14
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<b>III Occupations requiring considerable additional training in journalism; or in administrative routine:</b>		
CONTINUITY WRITER (amusement & recreation; motion picture).....		0-06.23
CORRESPONDENT (printing & publishing).....		0-06.71
EDITOR, NEWS (printing & publishing).....		0-06.48
LITERARY WRITER (professional & kindred).....		0-06.04
SECRETARY, ADMINISTRATIVE; <i>Executive Secretary</i> (any industry)		0-97.03
<hr/>		
<b>RELATED FIELDS OF WORK</b>		
Copy Writing and Journalism.....		0-X3.5
Stenographic Work.....		1-X2.3

## DENTAL ASSISTANT (ARMY TRADE GROUP C)

Performs routine office duties in a dentist's office: arranges appointments and keeps records of treatment given; maintains stock of dental and laundry supplies; prepares patients for treatment; sterilizes and lays out instruments and equipment; prepares anaesthetic solutions, impressions and bite registration materials, dressings and fillings; keeps clinic reports.

Must have secondary school education. Must know use and care of instruments, equipment and materials. Must be able to unpack and assemble efficiently items in field operative trunks for a field clinic. Must know elementary anatomy and physiology of teeth and surrounding tissues.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

DENTIST'S ASSISTANT (medical services) .....	1-32.10
PHYSICIAN'S ASSISTANT (medical services) .....	1-32.20
RECEPTIONIST, DOCTOR'S OFFICE (medical services) .....	1-18.43
STERILIZER (druggists' & toilet preparations & medicines) .....	6-53.014

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#### II Occupations requiring very brief training in non-professional medical service jobs:

ASYLUM ATTENDANT (medical services) .....	2-42.30
ATTENDANT, OCCUPATIONAL THERAPY (medical services) .....	2-42.33
FIRST-AID ATTENDANT (any industry) .....	2-38.10
NURSE AIDE (medical services) .....	2-42.20
NURSE, PRACTICAL (medical services) .....	2-38.20
ORDERLY (medical services) .....	2-42.10
VETERINARY-HOSPITAL ATTENDANT (medical services) .....	2-42.60

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### RELATED FIELDS OF WORK

Adult Care .....	2-X5.6
Nursing and Medical Work .....	0-X7.02

## DENTAL ASSISTANT (ARMY TRADE GROUP B)

In addition to duties of Dental Assistant (Group C), prepares preliminary moulds for dentures, and processed dental radiograms: moulds wax around impression; mixes plaster or stone and pours into impression; recovers and trims cast; constructs wax bite blocks; manipulates and cares for X-ray apparatus; prepares developing and fixing solutions; exposes, processes and mounts dental films.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring brief training in the all-around duties of fabricating dentures; or taking X-rays and processing X-ray films:

DENTAL TECHNICIAN (business services)..... 0-50.06

#### II Occupations requiring brief additional training to learn to form moulds, models, and other articles from plaster, clay and plastic substances:

CLAY-CASTER MOLDER (electrical equipment).....	6-66.156
GOLF-BALL MOLDER (sporting & athletic goods).....	6-57.167
JIGGERMAN (pottery & porcelain ware).....	6-66.453
MOLD MAKER (radio manufacturing).....	6-98.160
MOLD MAKER, PLASTER (concrete products).....	6-67.612
MOLDER, HAND (brick, tile, & nonclay refractories).....	6-66.116
ORNAMENTER, HAND (mirror & picture frames).....	6-39.277
PATTERNMAKER (hat & cap).....	7-17.010
SCAGLIOLA MECHANIC (statuary & art goods (except concrete)).....	6-67.701
SOFT-MUD MOLDER (brick, tile, & nonclay refractories).....	6-66.116
UMBRELLA-HANDLE MAKER, CELLULOID (fabricated plastic products).....	7-10.018

#### III Occupations requiring additional training in various dental chemistry or laboratory techniques:

CHEMIST ASSISTANT (professional & kindred).....	0-50.22
DENTAL HYGIENIST (medical services).....	0-50.07
LABORATORY ASSISTANT, COLLEGE, SCHOOL, or UNIVERSITY (education & instruction).....	0-50.21
LABORATORY TESTER (dairy products; ice cream).....	0-50.46
MEDICAL TECHNICIAN (medical services).....	0-50.01
PHARMACEUTICAL-LABORATORY ASSISTANT (professional & kindred).....	0-50.02
SCIENTIFIC HELPER (professional & kindred).....	0-50.23

### RELATED FIELDS OF WORK

Adult Care.....	2-X5.6
Nursing and Medical Work.....	0-X7.02
Plastic Material Forming.....	4-X6.348

For additional information see DENTAL ASSISTANT (ARMY TRADE GROUP C).



## DENTAL TECHNICIAN (ARMY TRADE GROUPS C, B, and A)

Fabricates and repairs partial and full dentures: repairs, services, and operates dental laboratory equipment and machines to fabricate such appliances as dentures, bridges, crowns and jaw fracture splints; prepares waxed moulds for casts from models of oral impressions; pours, trims and adjusts casts; mounts casts in articulator, selects, fits and arranges artificial teeth in proper relation to each other; uses rubber or acrylic material to form permanent plates; packs in moulds, vulcanizes and polishes the dentures; does precision casting of gold, fixed and free hand soldering of precious metals and heat treating involved in metal fabrication; does bench work required in constructing alloy dies, sprues, wrought or cast metal clips, and denture framework; repairs dentures as directed by dental officer; stores for use such supplies as gold, silver, and copper alloys, mercury, acids, gypsum products, shellac, abrasives, wax, ceramic material, rubber, rouge, whitening, modeling clay, and similar substances; cleans, lubricates and makes minor repairs to all laboratory equipment; constructs bit blocks; rebases dental plates; cleans, sharpens, and otherwise maintains small instruments such as knives, scissors, scrapers, chisels, tweezers, files, saws, carvers, tongs, trays and spatulas; uses hand tools ranging from moderately heavy swaging mallets to wax carvers for fine pattern work; sterilizes and lays out instruments and medical supplies; mixes dental cement and amalgams for fillings; prepares hypodermic syringes and other medicines as necessary.

Must know elementary anatomy of teeth and surrounding tissues. Must know principles of firing porcelain and of tooth shading. Should know shop mathematics such as ratios, decimals and conversion factors. Must know the principles of processing denture base materials and causes of failures. Must know first aid. The Dental Technician (Group A) must know how to supervise, control and direct the activities of a laboratory.

### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

#### I Occupations not requiring additional training:

DENTAL CERAMIST (business services) .....	0-50.06
DENTAL MECHANIC, PLATE (business services) .....	0-50.06
DENTAL TECHNICIAN (business services) .....	0-50.06

#### II Occupations requiring additional training in commercial methods of making moulds of plaster, clay or other material; or in pouring and finishing unfamiliar metals or plastics:

BEVELER (optical goods) .....	5-08.020
BUFFER (any industry) .....	6-77.060
CASTER (jewelry) .....	4-72.411
GLASS GRINDER (automobile manufacturing; glass manufacturing) .....	6-65.210
GLASS POLISHER (automobile manufacturing; glass manufacturing) .....	6-65.220
GRID CASTER (electrical equipment) .....	7-00.118
LATHE HAND (jewelry) .....	6-78.005
LIPSTICK MOLDER (druggists' & toilet preparations & medicines) .....	6-53.041
MELTER (jewelry) .....	4-72.412
PLASTER-OF-PARIS MOLDER (electrical equipment) .....	4-66.411
TILE-FIXTURE CASTER (brick, tile, & nonclay refractories) .....	6-66.154
WAX RUNNER (printing & publishing) .....	4-45.010

#### III Occupations requiring considerable additional training in the making of patterns from which moulds are made:

MODELER (brick, tile, & nonclay refractories) .....	0-44.62
MODEL MAKER (jewelry) .....	5-17.262
MODEL MAKER (pottery & porcelain ware) .....	0-44.61
MODEL MAKER (professional & kindred) .....	0-44.71
PATTERNMAKER (aircraft manufacturing) .....	5-17.248
PATTERNMAKER (hat & cap) .....	7-17.010

### RELATED FIELDS OF WORK

Artistic Shaping .....	0-X1.3
Plastic Material Forming .....	4-X6.348

## DESPATCH RIDER (SIGNALS) (ARMY TRADE GROUP C)

Operates and maintains Army vehicles for traffic control, reconnaissance or messenger service in signal corps: drives motorcycle, bicycle or car, day or night over all types of roads, or across country with aid of map; carries out daily preventive maintenance on motorcycle or car; dismantles, cleans and reassembles bicycle; makes minor repairs to damaged communication lines observed en route and reports conditions and type of telephone or telegraph facilities to proper authorities; employs maps and compass for orientation and to select routes which furnish best cover and concealment.

Must have knowledge of corps organization and security regulations. Should be capable of driving under adverse conditions.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring brief on-the-job training in specialized driving techniques; or in methods of maintaining communication equipment:

CABLE-SPLICER HELPER (construction; light, heat, & power; telephone & telegraph).....	7-53.420
CHAUFFEUR (II) (any industry).....	7-36.010
LINEMAN, JUNIOR (telephone & telegraph).....	7-53.410
MOTORCYCLE DRIVER, DELIVERY (any industry).....	7-35.200
RODMAN (any industry).....	7-87.100
TRACTOR DRIVER (any industry).....	7-36.510
TOW-BAR DRIVER (automobile manufacturing).....	7-36.030

#### II Occupations requiring brief additional training in methods of installation and repair of communication equipment; or in mechanical repair work:

BICYCLE REPAIRMAN (any industry).....	5-83.881
CALL BOX WIRER (telephone & telegraph).....	7-53.010
LINEMAN, SENIOR (telephone & telegraph).....	5-53.410
MOTORCYCLE REPAIRMAN (automotive services).....	5-81.020
STATION INSTALLER (II) (telephone & telegraph).....	5-53.030
TEST DRIVER (II) (automobile manufacturing).....	5-36.030

#### III Occupations requiring considerable additional training in techniques of repairing, installing or inspecting communication or mechanical equipment:

AUTOMOBILE MECHANIC (automotive services).....	5-81.010
CABLE SPLICER (construction; light, heat, & power; telephone & telegraph).....	5-53.950
MOTOR AND CHASSIS INSPECTOR (automobile manufacturing).....	5-81.630
RANGE EXAMINER, JUNIOR (governmental services).....	0-38.04
TELEPHONE INSPECTOR (telephone & telegraph).....	5-76.210
TELEPHONE SWITCHBOARD REPAIRMAN (any industry).....	5-53.240
TRACTOR MECHANIC (any industry).....	5-81.040

### RELATED FIELDS OF WORK

Combustion Engine Repairing.....	4-X2.103
Electrical Wiring and Related.....	4-X6.181
Hauling Machine Operating.....	6-X2.492

## DIVER (ARMY TRADE GROUPS C, B, and A)

Performs underwater inspection, repairs, salvage and construction in harbours, ports and rivers: inspects diving gear before entering water, checking suit, helmet, valves, telephone, lines and connections; inspects wrecks and reports on damage; makes minor underwater repairs to vessels; scrapes ship's bottom and clears propellers of any fouling; cleans out valves and inlets for water supplies; examines, reports on and repairs sills, gates of locks, docks and canals; fits inlet and outlet pipes; frames timber, sets concrete blocks, masonry, caissons and bag work under water; uses hammers, chisels, saws, augers and bits; drills rock with pneumatic tools.

Must know how to dismantle, reassemble and connect air pumps. Must know all signals between diver and attendant. Must know ordinary bends and knots. Must have knowledge of tides, currents, water pressure and safety rules for diving. Must know time limits for work in deep water and approximate air supply needed. Must know how to assist fouled or incapacitated divers. Must know symptoms and treatment of compressed air illness and the use of decompression chamber. Must be able to repair diving suits and equipment.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

DIVER (construction; ship & boat building & repairing).....	5-89.011
DIVER HELPER (construction; fishing).....	7-89.011
DIVER PUMPER (construction; fishing).....	7-89.012
DRIFTER (I) (construction).....	5-75.220
MARINE DRILLER (construction).....	5-89.011

#### II Occupations requiring brief additional training in use of powered hammers and chisels; or in techniques of inspection; or in use of caulking hand tools or machines:

CHIPPER, METAL (boilermaking; construction; ship & boat building & repairing).....	6-78.925
HULL INSPECTOR (ship & boat building & repairing).....	5-05.511
PROPELLER INSPECTOR (ship & boat building & repairing).....	4-78.671
PUMP SERVICEMAN (any industry).....	5-83.641
RIVETER, PNEUMATIC (agricultural equipment; boilermaking; railroad locomotive & car building & repairing).....	6-84.640
STEEL-PLATE CALKER (boilermaking; construction; ship & boat building & repairing).....	6-84.910
WOOD CALKER (I) (ship & boat building & repairing).....	5-83.951

#### III Occupations requiring considerable additional training in techniques of dock and harbour construction; or in supervision of groups of workers in construction jobs:

BANK-FILLING FOREMAN (construction).....	5-94.160
BRIDGE-MAINTENANCE MAN (construction).....	5-83.631
CARPENTER, DOCK (construction).....	5-25.260
COFFERDAM-CONSTRUCTION FOREMAN (construction).....	5-94.160
COMPRESSOR ENGINEER, CAISSON (construction).....	5-72.910
PILE-DRIVER OPERATOR (construction).....	5-23.610
RIVER AND HARBOR FOREMAN (construction).....	5-94.160

### RELATED FIELDS OF WORK

Managerial Work, Construction, Mining, and Related.....	0-X8.42
Miscellaneous Metal Working (Hand or Hand Tool).....	6-X4.319
Miscellaneous Structural Crafts.....	4-X6.209



## DRAUGHTSMAN (ARCHITECTURAL AND ENGINEERING) (ARMY TRADE GROUP C)

Prepares working drawings for building construction: from sketches and rough notes, prepares working plans and produces clear and accurate tracings on linen or tracing paper, using triangles, squares and other draughting tools; makes enlargements of maps; maintains draughting instruments and equipment in proper condition.

Must be able to do plain printing and construct geometrical figures. Must have a sound knowledge of elementary mathematics. Must have good knowledge of architectural definitions, building terms and abbreviations.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

DRAFTSMAN APPRENTICE, MARINE (professional & kindred).....	0-69.45
ENGINEERING CLERK (aircraft manufacturing).....	1-35.01
MAP CLERK (insurance).....	1-08.48
LAY-OUT MAN (signs & advertising novelties).....	5-13.311
PATTERN LAY-OUT MAN (foundry).....	5-17.030
TRACER (machine shop).....	0-48.31
TRACER (professional & kindred).....	0-48.31

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#### II Occupations requiring brief additional training in professional draughting:

DETAILER (professional & kindred).....	0-48.01
DRAFTSMAN, ARCHITECTURAL (professional & kindred).....	0-48.11
DRAFTSMAN, CONSTRUCTION (professional & kindred).....	0-48.08
DRAFTSMAN, DETAIL (professional & kindred).....	0-48.01
DRAFTSMAN, STRUCTURAL (professional & kindred).....	0-48.25
DRAFTSMAN, TOPOGRAPHICAL (professional & kindred).....	0-48.26

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#### III Occupations requiring considerable additional training in techniques of designing, lay-out or model making:

ART LAY-OUT MAN (printing & publishing).....	0-44.26
DIE DESIGNER (professional & kindred).....	0-48.42
FIXTURE DESIGNER (furniture).....	0-46.12
INDUSTRIAL DESIGNER (professional & kindred).....	0-46.88
LAY-OUT MAN (foundry).....	4-75.011
LAY-OUT MAN (machine shop).....	4-75.145
TILE DESIGNER (brick, tile, & nonclay refractories).....	0-46.22

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### RELATED FIELDS OF WORK

Drafting and Related.....	0-X7.7
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# DRAUGHTSMAN (ARCHITECTURAL AND ENGINEERING) (ARMY TRADE GROUPS B and A)

In addition to duties of Draughtsman (Architectural and Engineering) (Group C), prepares drawings of architectural and structural features of any type of building and like structure: makes preliminary drawings, suitable for approval, from sketched plans or rough notes; estimates quantities, prepares specifications, and checks dimensions of parts and materials to be used; finishes and details drawings to scale, suitable for complete construction of project.

Should have knowledge of engineering practices, machinery, materials, and mathematics to complete drawings.

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## RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

### I Occupations not requiring additional training:

DETAILER (professional & kindred).....	0-48.01
DRAFTSMAN, ARCHITECTURAL (professional & kindred).....	0-48.11
DRAFTSMAN, CONSTRUCTION (professional & kindred).....	0-48.08
DRAFTSMAN, DETAIL (professional & kindred).....	0-48.01
DRAFTSMAN, STRUCTURAL (professional & kindred).....	0-48.25

### II Occupations requiring brief training in other types of professional draughting, or in methods of laying out patterns on metal or cloth:

DRAFTSMAN, ELECTRICAL (professional & kindred).....	0-48.11
DRAFTSMAN, LANDSCAPE (professional & kindred).....	0-48.13
DRAFTSMAN, MAP (professional & kindred).....	0-48.15
DRAFTSMAN, MECHANICAL (professional & kindred).....	0-48.18
DRAFTSMAN, MINE (professional & kindred).....	0-48.21
DRAFTSMAN, PLUMBING (professional & kindred).....	0-48.22
DRAFTSMAN, TOPOGRAPHICAL (professional & kindred).....	0-48.26
LAY-OUT MAN (foundry).....	4-75.140
LAY-OUT MAN (garment).....	4-27.011
LAY-OUT MAN (machine shop).....	4-75.145
SAIL LAY-OUT MAN (canvas goods, flags & banners).....	4-27.813

### III Occupations requiring additional training in techniques of designing; or in illustrating and painting and in the use of unfamiliar hand tools:

ARCHITECTURAL RENDERER (professional & kindred).....	0-44.31
COMMERCIAL ARTIST, ILLUSTRATING (professional & kindred)....	0-44.21
COMMERCIAL DESIGNER (professional & kindred).....	0-46.92
DIE DESIGNER (professional & kindred).....	0-48.42
INDUSTRIAL DESIGNER (professional & kindred).....	0-46.88
POSTER ARTIST (professional & kindred).....	0-44.11
PROCESS ARTIST (printing & publishing).....	0-44.07
TILE DESIGNER (brick, tile, & nonclay refractories).....	0-46.22
TOOL DESIGNER (professional & kindred).....	0-48.41

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## RELATED FIELDS OF WORK

Drafting and Related.....	0-X7.7
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For additional information see DRAUGHTSMAN (ARCHITECTURAL AND ENGINEERING) (ARMY TRADE GROUP C).

## DRAUGHTSMAN (CARTOGRAPHIC) (ARMY TRADE GROUPS C, B, and A)

Compiles, draws and copies maps for reproduction: draws, enlarges or reduces standard maps, using draughting tools and equipment; corrects and revises maps from aerial photographs or other information; makes corrections to maps on zinc printing plate or glass negatives; draws road tints and references on offset plates; prepares sketch map direct or reverse on zinc or transfer paper for reproduction; gums out for ruling or fills in solids on zinc plates. Draughtsman (Cartographic) (Group A) instructs and supervises draughting sub-section.

Must have a knowledge of elementary mathematics, lithographic processes, map reproduction and common types of map projections and their use. Must be able to plot points from rectangular or geographical co-ordinates and lay out Modified British Grid.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

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#### I Occupations not requiring additional training:

DETAILER (professional & kindred).....	0-48.01
DRAFTSMAN, MAP; <i>Map Maker</i> (professional & kindred).....	0-48.15
DRAFTSMAN, TOPOGRAPHICAL (professional & kindred).....	0-48.26
GEODETIC COMPUTER (governmental services).....	0-64.40
MAP CLERK (insurance).....	1-08.48
TRACER (professional & kindred).....	0-48.31

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#### II Occupations requiring brief additional training in other types of draughting; or in methods of laying out patterns on cloth, metal or wood:

DRAFTSMAN, ARCHITECTURAL (professional & kindred).....	0-48.05
DRAFTSMAN, CONSTRUCTION (professional & kindred).....	0-48.08
DRAFTSMAN, ELECTRICAL (professional & kindred).....	0-48.11
DRAFTSMAN, MINE (professional & kindred).....	0-48.21
LAY-OUT MAN (foundry).....	4-75.140
LAY-OUT MAN (woodworking).....	4-33.912
MARKER (garment).....	4-27.011

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#### III Occupations requiring considerable additional training in techniques of designing; or in sign making:

ADVERTISING LAY-OUT MAN (professional & kindred).....	0-44.26
COMMERCIAL ARTIST, ILLUSTRATING (professional & kindred)....	0-44.21
COMMERCIAL DESIGNER (professional & kindred).....	0-46.92
INDUSTRIAL DESIGNER (professional & kindred).....	0-46.88
PAINTER, SIGN (any industry).....	5-27.910
POSTER ARTIST (professional & kindred).....	0-44.11
SIGN WRITER, HAND (any industry).....	0-44.13
TOOL DESIGNER (professional & kindred).....	0-48.41

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### RELATED FIELDS OF WORK

Drafting and Related.....	0-X7.7
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## DRAUGHTSMAN (GRAPHIC ART) (ARMY TRADE GROUPS C, B, and A)

Makes paintings, illustrations, layouts, sketches, posters, or designs in connection with various activities such as decoration, publication, training or propaganda: makes black and white illustrations, and black and white half-tone illustrations, using crayons, charcoal paper and tracing paper; makes colour illustrations; designs book, magazine, newspaper and manual covers and illustrations, using inks, pastels, tempera colours, water and oil colours, retouch colours, etc.; designs stage sets, posters, murals, signs, labels, etc., using varnish, acetone, developing and fixing fluids, bristol board, etc.; designs layouts for publications, displays, folders, etc.; designs badges, emblems and flags; retouches photographs, drawings, reproductions, etc.; cuts stencils by silk screen process.

Must have basic knowledge of principles of perspective, light and shade, form, colour systems and proportions. Must know the uses, properties, limitations and effects of various mediums, tools and equipment. Should have knowledge of requirements of various reproduction processes.

This Army occupation covers all forms of commercial art; no one man is expert in all the forms but usually specializes in one or more phases.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

COLORER; <i>Colourer, Hand</i> (printing & publishing).....	0-44.23
COMMERCIAL ARTIST, ILLUSTRATING (professional & kindred)....	0-44.21
DECORATOR (professional & kindred).....	0-43.20
POSTER ARTIST (professional & kindred).....	0-44.11
SIGN WRITER, HAND (any industry).....	0-44.13
STAGE-SCENERY DESIGNER (amusement & recreation).....	0-46.32

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#### II Occupations requiring brief training in techniques of preparing art layouts for newspapers, or in cartooning; or in matching and shading colours for the manufacture of textiles, or in photograph painting:

ART LAY-OUT MAN; <i>Layout Artist</i> (printing & publishing).....	0-44.26
CARTOONIST (printing & publishing).....	0-04.41
COLORIST (textile).....	5-18.310
COLORIST, PHOTOGRAPHY; <i>Colour Artist</i> (professional & kindred)....	0-46.92
COMMERCIAL DESIGNER (professional & kindred).....	0-46.92
PHOTOGRAPH FINISHER (any industry).....	5-86.530
SKETCH MAKER (textile).....	0-44.45

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#### III Occupations requiring additional training in techniques of draughting, portrait or landscape painting, book finishing; or in creating designs for cloth or tile; or in animated cartooning:

BOOK FINISHER (printing & publishing).....	4-49.020
CARTOONIST, MOTION PICTURE (motion picture).....	0-44.51
CLOTH DESIGNER (professional & kindred).....	0-46.91
DRAFTSMAN, COMMERCIAL (professional & kindred).....	0-48.06
DRAFTSMAN, MAP; <i>Map Maker</i> (professional & kindred).....	0-48.15
PAINTER; <i>Artist</i> (professional & kindred).....	0-04.01
TILE DESIGNER (brick, tile, & nonclay refractories).....	0-46.22

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### RELATED FIELDS OF WORK

Art Work (Brush, Spray or Pen).....	4-X6.506
Artistic Drawing and Related.....	0-X1.2

## DRAUGHTSMAN (LITHOGRAPHER) (ARMY TRADE GROUPS C, B, and A)

Copies or creates designs for lithographic printing; executes drawing required, using drawing instruments, tracing cloth and other media for drawing; makes additions and deletions on negatives or on zinc; makes colour printing on offsets.

Must be able to use stencils and do lettering. Should have knowledge of lay and putting down work for register. Must have knowledge of Lithographic process.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training in commercial or industrial drawing, sketching and designing:

ART LAY-OUT MAN; <i>Layout Artist</i> (printing & publishing).....	0-44.26
COLORER (printing & publishing).....	0-44.23
LITHOGRAPHIC ARTIST (printing & publishing).....	4-46.700
PROCESS ARTIST (printing & publishing).....	0-44.07
SIGN DESIGNER (signs & advertising novelties).....	0-46.96
SKETCH MAKER (textile).....	0-44.45
TOY DESIGNER (toys, games, & playground equipment).....	0-46.98
TRACER (professional & kindred).....	0-48.31

#### II Occupations requiring brief additional training in structural and topographical draughting; or in sketching and designing art work:

ARCHITECTURAL RENDERER (professional & kindred).....	0-44.31
COMMERCIAL ARTIST, ILLUSTRATING (professional & kindred).....	0-44.21
COMMERCIAL DESIGNER (professional & kindred).....	0-46.92
DETAILER (professional & kindred).....	0-48.01
DRAFTSMAN, COMMERCIAL (professional & kindred).....	0-48.06
DRAFTSMAN, LANDSCAPE (professional & kindred).....	0-48.13
DRAFTSMAN, MAP (professional & kindred).....	0-48.15
DRAFTSMAN, TOPOGRAPHICAL (professional & kindred).....	0-48.26
EMBROIDERY DESIGNER (trimmings & stamped art goods).....	0-46.93

#### III Occupations requiring considerable additional training in drawing or sketching; or in fine designing; or in techniques of engraving or etching:

BANK-NOTE DESIGNER (governmental services).....	0-46.87
BOOK FINISHER (printing & publishing).....	4-49.020
CARTOONIST (printing & publishing).....	0-44.41
CHARGEMAN (motion picture).....	0-01.01
CLOTHES DESIGNER (professional & kindred).....	0-46.01
ENGRAVER (printing & publishing).....	4-73.510
ETCHER, HAND (printing & publishing).....	4-73.320
PANTOGRAPHER (textile).....	4-73.520

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### RELATED FIELDS OF WORK

Artistic Drawing and Related.....	0-X1.2
Art Work (Brush, Spray or Pen).....	4-X6.506
Engraving and Related.....	4-X6.508

## DRAUGHTSMAN (MECHANICAL) (ARMY TRADE GROUPS C, B, and A)

Prepares detailed working drawings from rough or detailed sketches or notes; traces and makes prints of drawings; prepares sketches and complete drawings of simple machines and machine parts; makes complete detailed drawing (using drawing instruments and all common draughting-room equipment) from sketches of actual machine model, involving gearing and shaft; does cross-sectioned assembly drawing of machine; draws original designs of mechanical equipment.

Must be able to use drawing conventions and abbreviations correctly. Must be able to letter clearly. Must have a sound knowledge of mathematics up to logarithms and be able to use slide rule. Must have elementary knowledge of machine shop practice, pattern making, foundry work, blacksmithing and welding. Must know properties of common materials used in machine construction. Must be able to use standard engineer handbooks and reference tables and have working knowledge of makers' catalogues, spare parts and identification lists.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

DETAILER (professional & kindred).....	0-48.01
DRAFTSMAN, CAST IRON (professional & kindred).....	0-48.18
DRAFTSMAN, MECHANICAL (professional & kindred).....	0-48.18
DRAFTSMAN, TOOL DESIGN (professional & kindred).....	0-48.18
TRACER (professional & kindred).....	0-48.31

#### II Occupations requiring brief on-the-job training in specific type of draughting and to learn signs and symbols which may be unfamiliar:

DRAFTSMAN, AERONAUTICAL (professional & kindred).....	0-48.04
DRAFTSMAN, ARCHITECTURAL (professional & kindred).....	0-48.05
DRAFTSMAN, ELECTRICAL (professional & kindred).....	0-48.11
DRAFTSMAN, MARINE (professional & kindred).....	0-48.16
DRAFTSMAN, MINE (professional & kindred).....	0-48.21
DRAFTSMAN, PLUMBING (professional & kindred).....	0-48.22
DRAFTSMAN, RADIO (professional & kindred).....	0-48.30
DRAFTSMAN, REFRIGERATION (professional & kindred).....	0-48.23

#### III Occupations requiring additional training in the technique of cartooning and painting; or training in methods of engraving, etching and carving, including the skilful use of job tools:

CARTOONIST (printing & publishing).....	0-04.41
COMMERCIAL ARTIST, ILLUSTRATING (professional & kindred)....	0-44.21
ENGRAVER, HAND (automobile manufacturing; pottery & porcelain ware) .....	4-73.030
ENGRAVER, JEWELRY (jewelry; retail trade).....	4-73.020
ETCHER, HAND (printing & publishing).....	4-73.320
POSTER ARTIST (professional & kindred).....	0-44.11
SIGN WRITER, HAND (any industry).....	0-44.13

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### RELATED FIELDS OF WORK

Mechanical Drafting and Related.....	0-X7.74
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## DRAUGHTSMAN (SIGNALS) (ARMY TRADE GROUPS C and B)

Prepares complete and accurate working plans and detailed drawings from sketches and objects: makes proposed drawings and plans from oral or written instructions, or makes freehand sketches from messages received over telephone or telegraph instruments; uses draughting instruments to make final sketches, checking dimensions of parts; makes finished detailed drawings to scale, such as signal, circuit, route, wiring or instrument diagrams, by tracing, copying, enlarging, or reducing diagrams, by shading or colour-washing drawings, by designing ornamental headings and lettering. Sends and receives phonograms. Operates stencil, mimeograph and hectograph. Draughtsman (Signals) (Group B) may attend to such general office duties, as correspondence, filing, recording and central registration.

Must have elementary knowledge of mathematics (as for Army 2nd or 1st Class certificate of education, respectively), elementary electricity and magnetism. Must have knowledge of map reading, and be able to make road reconnaissance sketches, with aid of maps, protractors and prismatic compasses. Must have general knowledge of army organization.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training in specific related types of draughting; or in clerical work:

CLERK, GENERAL OFFICE (clerical & kindred).....	1-05.01
DETAILER (professional & kindred).....	0-48.01
DRAFTSMAN, ELECTRICAL (professional & kindred).....	0-48.11
DRAFTSMAN, LANDSCAPE (professional & kindred).....	0-48.13
DRAFTSMAN, MAP; <i>Map Maker</i> (professional & kindred).....	0-48.15
DUPLICATING-MACHINE OPERATOR (I) (clerical & kindred).....	1-25.22
ENGINEERING CHECKER (aircraft manufacturing).....	0-48.03
LAY-OUT MAN (signs & advertising novelties).....	5-13.311
TRACER (IV) (professional & kindred).....	0-48.31

#### II Occupations requiring brief additional training to provide an understanding of airplane, boiler, machine, or radio design; or training in electrical repair work; or in geometry and trigonometry; or in sending and receiving messages other than phonograms:

DRAFTSMAN, MECHANICAL (professional & kindred).....	0-48.18
DRAFTSMAN, RADIO (radio broadcasting).....	0-48.30
ELECTRICAL REPAIRMAN (any industry).....	4-97.420
GEODETIC COMPUTER (governmental services).....	0-64.40
LAY-OUT MAN (boilermaking).....	4-83.200
LOFTSMAN (aircraft manufacturing).....	5-17.245
STENCIL CUTTER; <i>Engraver, Hand</i> (marble, granite, slate, & other stoneworking).....	4-69.610
TELEGRAPH OPERATOR (telephone & telegraph).....	1-41.12
TEMPLATE MAKER, STRUCTURAL STEEL (structural & ornamental metal work).....	4-84.630

#### III Occupations requiring considerable additional training in commercial art; or in the supervision of other workers; or extensive technical training in architecture or a specific branch of engineering:

ADVERTISING LAY-OUT MAN (professional & kindred).....	0-44.26
ARCHITECT, LANDSCAPE (professional & kindred).....	0-03.20
DRAFTSMAN, HEAD (professional & kindred).....	0-48.
ELECTRICAL ENGINEER (professional & kindred).....	0-17.01
POSTER ARTIST (professional & kindred).....	0-44.11
TEACHER, ART (education & instruction).....	0-04.51
TOOL DESIGNER (professional & kindred).....	0-48.41

### RELATED FIELDS OF WORK

Artistic Drawing and Related.....	0-X1.2
Drafting and Related.....	0-X7.7
Electrical Repairing.....	4-X6.18

## DRAUGHTSMAN (TOPOGRAPHICAL) (ARMY TRADE GROUPS C and B)

Prepares topographical maps from any original source, such as surveyor's notes, aerial photographs, or other maps: reads maps (conventional signs, co-ordinates, heights, grid lettering and numbering, conversion of grid, magnetic and true bearings); copies, enlarges and reduces maps; makes tracing on linen or paper; compiles graphs or charts from given data; prepares tactical sketches neatly and rapidly from rough drawings or notes; compiles and produces gridded obliques (Merton Method); annotates plans, tracings and maps; lays down and annotates mosaics and relief maps.

Must have sound knowledge of mathematics, English and metric systems. Must know all types of maps used in operations. Should be able to calculate and draw accurately graduated scales in English and metric systems. Must be familiar with conventional draughting signs. Must be able to assemble accurately two or more 1/25,000 maps to form a composite map. Should be able to trace and annotate a fire plan for reproduction. Must be able to obtain co-ordinates from air photographs, given three overlapping oblique photos.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

DETAILER (professional & kindred).....	0-48.01
DRAFTSMAN, MAP; <i>Map Maker</i> (professional & kindred).....	0-48.15
DRAFTSMAN, TOPOGRAPHICAL (professional & kindred).....	0-48.26
GEODETIC COMPUTER (governmental services).....	0-64.40
MAP CLERK (insurance).....	1-08.48
TRACER (professional & kindred).....	0-48.31

#### II Occupations requiring brief training in other types of draughting; or in methods of laying-out patterns on metal or cloth:

DRAFTSMAN, ARCHITECTURAL (professional & kindred).....	0-48.05
DRAFTSMAN, COMMERCIAL (professional & kindred).....	0-48.06
DRAFTSMAN, CONSTRUCTION (professional & kindred).....	0-48.08
DRAFTSMAN, ELECTRICAL (professional & kindred).....	0-48.11
DRAFTSMAN, MINE (professional & kindred).....	0-48.21
DRAFTSMAN, STRUCTURAL (professional & kindred).....	0-48.25
LAY-OUT MAN (signs & advertising novelties).....	5-13.311
PATTERN LAY-OUT MAN (foundry).....	5-17.030
SAIL LAY-OUT MAN (canvas goods, flags & banners).....	4-27.813

#### III Occupations requiring considerable additional training in techniques of designing; or in surveying or photographing the ground for map making; or in planning landscapes:

ARCHITECT, LANDSCAPE (professional & kindred).....	0-03.20
COMMERCIAL DESIGNER (professional & kindred).....	0-46.92
DIE DESIGNER (machine shop).....	0-48.42
POSTER ARTIST (professional & kindred).....	0-44.11
SKETCHER (motion picture).....	0-46.31
SURVEYOR, TOPOGRAPHICAL (professional & kindred).....	0-64.10
SURVEYOR, TOPOGRAPHICAL PHOTOGRAPHY (professional & kindred).....	0-64.60
TOOL DESIGNER (professional & kindred).....	0-48.41

### RELATED FIELDS OF WORK

Drafting and Related.....	0-X7.7
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## DRILLER (DIAMOND AND ROTARY) (ARMY TRADE GROUPS C and B)

Sets up, operates and maintains diamond or rotary drill used to obtain solid cores of strata; assembles and sets up diamond drilling equipment on wooden foundation and makes power connection to internal combustion engine; sets up and connects small pump for supply of water to drill hole; drives stand pipe through overburden until ledgerrock is reached; attaches hollow diamond studded steel drilling bit to drill rod and fastens rod in machine; starts power unit and controls speed of rotation and feed of drill bit into ground; controls supply of water to drill hole; attaches additional lengths of drill rod as required; withdraws drill rod from hole and extracts core from core barrel; labels core samples and records depth from which taken; lubricates and makes minor repairs to machines and equipment used. Drills may be operated on surface or underground.

Must be a capable pipefitter and have a good working knowledge of internal combustion engines, pumps and drilling equipment. Must be able to dismantle and reassemble equipment for transportation.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

CHURN-DRILL OPERATOR (bituminous coal mining; metal mining; nonmetal mining; quarrying & sand & gravel).....	5-75.240
DIAMOND DRILLER (bituminous coal mining; construction; metal mining).....	5-75.410
DRILLER, HAND (bituminous coal mining; metal mining).....	5-75.610
JACKHAMMER OPERATOR (metal mining; nonmetal mining; quarrying & sand & gravel).....	7-75.710
ROTARY DRILLER (petroleum & natural gas production).....	5-75.050
WELL-DRILL OPERATOR (construction).....	5-75.230
WELL-POINT PUMPMAN (construction).....	7-32.651

#### II Occupations requiring additional training to operate various types of cutting and drilling machines; or in the setting of drill bits; or in operation of pile-driver:

CHANNELING-MACHINE RUNNER (quarrying & sand & gravel).....	5-75.010
DIAMOND-DRILL SETTER (bituminous coal mining; metal mining)....	5-84.020
DRIFTER (construction).....	5-75.220
DRILL-PRESS OPERATOR (marble, granite, slate, & other stoneworking)	6-69.180
DRILLER, MACHINE (bituminous coal mining; metal mining).....	5-75.020
MACHINE MAN (bituminous coal mining).....	5-21.210
PILE-DRIVER OPERATOR (construction).....	5-23.610
TOOL DRESSER (petroleum & natural gas production).....	5-75.280

#### III Occupations requiring considerable additional training in methods of mine inspection; or in supervising workers:

DRILLING INSPECTOR (petroleum & natural gas production).....	5-76.350
METAL-MINE INSPECTOR (metal mining).....	0-79.12
SHAFT SINKER (bituminous coal mining; metal mining).....	5-21.010
SHAFTMAN (bituminous coal mining; metal mining).....	5-22.910
SHIFT BOSS (metal mining).....	5-93.010

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### RELATED FIELDS OF WORK

Drilling Machine Operating.....	4-X2.494
Drilling Machine Operating.....	6-X2.494



## DRILLER (DIAMOND SETTER) (ARMY TRADE GROUPS C, B, and A)

Resets diamonds in bit of diamond drill and carries out repairs to drilling equipment: as diamonds become worn, chipped or lost, prepares head of drilling bit and sets in new diamonds; in repairing internal combustion engines, decarbonizes and grinds valves, replaces components requiring use of hand tools only, cleans and adjusts carburetors, adjusts clutches and swivelheads, replaces transmission, strips and reassembles chassis, replacing defective parts; makes adjustments to drive chains and sprockets; strips pump, replaces defective parts, and reassembles; removes and replaces liners to change working pressure and volume of pumps; carries out simple soldering; rebabbitts bearings; rethreads broken drill rods; carries out various tests to equipment; may supervise repairs to two or more drills.

Must be a qualified Driller (Diamond and Rotary). Must have good knowledge of working clearances allowed for correct fitting of engines, diamond drills, pumps, and auxiliary equipment. Must have good knowledge of core barrels and core recovery. Must be able to find way in remote districts, mainly by map and compass.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training:

CHURN-DRILL OPERATOR (bituminous coal mining; metal mining; nonmetal mining; quarrying & sand & gravel).....	5-75.240
DIAMOND-DRILL SETTER (bituminous coal mining; metal mining)....	5-84.020
DIAMOND-DRILLER (bituminous coal mining; construction: metal mining).....	5-75.410
MINER (V); <i>Miner, Hard Rock</i> (metal mining).....	5-21.020
PIPE FITTER (construction).....	5-30.010
PNEUMATIC-TOOL REPAIRMAN (any industry).....	5-83.641
PUMP INSPECTOR (paper & pulp).....	7-76.920
PUMPMAN (nonferrous metal smelting & refining).....	5-83.641
WELL-DRILL OPERATOR (construction).....	5-75.230

#### II Occupations requiring brief additional training in performing and supervising unfamiliar drilling or cutting operations; or in all-around automotive repair; or in the operation and maintenance of power-driven equipment or engines:

AUTOMOBILE MECHANIC (automotive services).....	5-81.010
DIESEL MECHANIC (any industry).....	5-83.931
MACHINE MAN (bituminous coal mining).....	5-21.210
PILE-DRIVER OPERATOR (construction).....	5-23.610
PUMP SERVICEMAN (any industry).....	5-83.641
ROTARY DRILLER (petroleum & natural gas production).....	5-75.050
TOOL DRESSER (petroleum & natural gas production).....	5-75.280

#### III Occupations requiring considerable additional training in watch-making; or in the use of machine shop tools; or in methods of testing to determine the physical and chemical properties of metals or petroleum products; or in technique of surveying coal deposits and undeveloped mines:

DIAMOND MOUNTER (automobile manufacturing).....	4-76.210
FORESTER, JUNIOR (governmental services).....	0-38.01
JEWEL SETTER (clocks, watches, & allied products).....	6-72.126
LABORATORY SAMPLER (iron & steel).....	0-50.22
MINING ENGINEER (bituminous coal mining; metal mining).....	0-20.01
PROSPECT-DRILL PANNER (metal mining).....	5-22.940
TESTER (petroleum refining).....	0-50.34

### RELATED FIELDS OF WORK

Drilling Machine Operating.....	4-X2.494
Engine and Pump Maintenance and Repairing.....	4-X2.102
Materials Analysis and Related.....	0-X7.04

## DRIVER, I.C. (NON-TRADE SPECIALIST)

Drives and services automobiles, trucks, or half-track vehicles used to haul military supplies, equipment or personnel: checks operation of lights, brakes, steering mechanism and other operating parts; replaces or tightens nuts, bolts, screws and studs; cleans and lubricates vehicle, using oiling equipment and grease gun; repairs flat tires; assists in loading and unloading vehicles; uses tools such as pliers, wrenches, hammer, jack, crank, screwdriver and tire irons.

Must be familiar with civilian and military traffic regulations, convoy rules and road discipline. Must be able to drive at night and during blackout over all types of terrain. Must know how to read maps and compass. Must be able to follow route outlined verbally or in writing.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training:

AUTOMOBILE-SERVICE-STATION ATTENDANT (automotive services).....	7-60.500
BUS DRIVER (motor vehicle transportation).....	5-36.010
CHAUFFEUR (domestic service).....	7-36.050
DRIVER (automobile manufacturing).....	7-36.030
EMERGENCY-VEHICLE DRIVER (governmental services; medical services).....	5-36.020
ROUTEMAN; <i>Driver Salesman</i> (any industry).....	7-35.100
TAXI DRIVER (motor vehicle transportation).....	7-36.040
TRUCK DRIVER, LIGHT (any industry).....	7-36.260

#### II Occupations requiring brief additional training in methods of repair- or assembling automotive parts; or in operation of street railway car; or in operation of wheel-boring machine:

AUTOMOBILE-MECHANIC HELPER (automotive services).....	7-81.010
CARBURETOR MAN (II) (automotive services).....	7-81.610
GARAGE-EQUIPMENT ASSEMBLER (machinery manufacturing).....	6-94.652
LIGHT REPAIRMAN (automobile manufacturing).....	7-81.650
MOTORMAN (V) (railroad transportation).....	5-43.100
SUBASSEMBLER (automobile manufacturing).....	7-02.321
WHEEL BORER (railroad locomotive & car building & repairing).....	6-78.214

#### III Occupations requiring considerable additional training to learn to operate and maintain motor-driven construction equipment; or in operation of mining machinery:

BLADE-GRADER OPERATOR (construction).....	7-23.010
BULLDOZER OPERATOR (I) (construction).....	7-23.030
CATERPILLAR-CRANE OPERATOR (any industry).....	5-73.050
DRAGLINE OPERATOR (any industry).....	5-73.320
FORM-GRADER OPERATOR (construction).....	7-23.110
HOISTMAN (bituminous coal mining; metal mining; nonmetal mining)...	5-73.510
LOADER, MACHINE (II) (bituminous coal mining; metal mining).....	7-21.420
POWER-SHOVEL OPERATOR (any industry).....	5-73.210

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### RELATED FIELDS OF WORK

Combustion Engine Repairing.....	4-X2.103
Hauling Machine Operating.....	6-X2.492

DRIVER, I.C. TRACTOR (ARMY TRADE GROUPS C and B)

Operates a crawler-tread tractor: operates tractor equipped with bulldozer, angledozer, grader or winch, to uproot trees, move rocks and boulders, grade roadbeds or haul timber; maintains, lubricates and makes minor repairs and adjustments to tractor, such as tensioning of the track, changing fuel injectors, cleaning and changing filter elements; keeps vehicle log.

RELATED CIVILIAN EMPLOYMENT	Dictionary of Occupational Titles - Codes
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I Occupations not requiring additional training:

ASPHALT-PLANER OPERATOR (construction).....	7-23.550
BLADE-GRADER OPERATOR (construction).....	7-23.010
BULLDOZER OPERATOR (construction).....	7-23.030
CAT HOSTLER (logging).....	8-30.10
FORM-GRADER OPERATOR (construction).....	7-23.110
MOTOR-GRADER OPERATOR (construction).....	7-23.020
SCRAPER OPERATOR (construction).....	7-23.050
STONE-SPREADER OPERATOR (construction).....	7-23.120
SUBGRADER OPERATOR (construction).....	7-23.060
TRACTOR OPERATOR (any industry).....	7-36.510

II Occupations requiring brief additional training in the operation of vehicular-mounted construction machinery; or in the operation of other types of motor-driven vehicles:

CATERPILLAR-CRANE OPERATOR (any industry).....	5-73.050
CONCRETE-MIXER OPERATOR (construction).....	5-23.330
PILE-DRIVER OPERATOR (construction).....	5-23.610
POWER-SHOVEL OPERATOR (any industry).....	5-73.210
ROUTEMAN; <i>Driver Salesman</i> (any industry).....	7-35.100
TAXI DRIVER (motor vehicle transportation).....	7-36.040
TRENCH-DIGGING-MACHINE OPERATOR (construction).....	5-23.030
VAN DRIVER (motor vehicle transportation).....	7-36.251

III Occupations requiring considerable additional training in techniques of diagnosing faulty operation and making repairs to motor vehicles:

AIR-CONDITIONING MECHANIC (automotive services).....	5-81.535
AUTOMOBILE MECHANIC (automotive services).....	5-81.010
AUTOMOBILE-REPAIR SERVICEMAN (automotive services).....	5-81.910
AUTOMOBILE TESTER (automotive services).....	5-81.920
FARM MECHANIC (agriculture).....	3-35.10
MOTOR ANALYST (automotive services).....	5-81.620
TRACTOR MECHANIC (any industry).....	5-81.040
WHEELWRIGHT (automotive services).....	7-81.210

RELATED FIELDS OF WORK

Combustion Engine Repairing.....	4-X2.103
Hauling Machine Operating.....	4-X2.492
Hauling Machine Operating.....	6-X2.492



# DRIVER MECHANIC (M.V.) or (CARRIER) (ARMY TRADE GROUP C)

Drives all types of vehicles (except tanks) and makes emergency and running repairs; operates all types of vehicles (military patterns vehicle, standard commercial vehicles, motorcycles, universal carriers and specialized vehicles such as road-scrappers, graders, etc.); transports supplies, equipment, weapons or personnel; advises and directs others in vehicle maintenance; checks and replenishes gasoline, oil in crankcase, water or anti-freeze in cooling system, air in tires and water in battery; lubricates, cleans and washes vehicles; tightens or replaces nuts, bolts, screws and studs; checks operation of electrical, braking, steering and cooling systems; adjusts clutch pedal and wheel bearings; tows and recovers disabled equipment; performs more advanced repairs under the direction of a Vehicle Mechanic. Must be a qualified Driver, I.C.

Must be familiar with general principles of internal combustion engine, power transmission and electrical systems of an automotive vehicle. Must be able to read maps and overlays.

## RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

### I Occupations not requiring additional training:

FIRE-TRUCK DRIVER (petroleum & natural gas production) .....	7-36.250
GRAIN HAULER (agriculture) .....	7-36.250
LUMBER-CARRIER DRIVER (planing mill) .....	7-88.470
MILK DRIVER (ice cream) .....	7-36.250
MOTORCYCLE DRIVER, DELIVERY (any industry) .....	7-35.200
ROAD-OILING-TRUCK DRIVER (construction) .....	7-36.230
SALESMAN, TRUCK TANK-WAGON (petroleum & natural gas production) .....	7-36.250
TAXI DRIVER (motor vehicle transportation) .....	7-36.040
TRUCK DRIVER, HEAVY (any industry) .....	7-36.250

### II Occupations requiring brief additional training in ambulance driving; or in the operation of motor-driven construction equipment:

AMBULANCE DRIVER (medical services) .....	5-36.020
ASPHALT-PAVING-MACHINE OPERATOR (construction) .....	7-23.530
BLADE-GRADER OPERATOR (construction) .....	7-23.010
BULLDOZER OPERATOR (I) (construction) .....	7-23.030
CONCRETE-MIXING-TRUCK DRIVER (construction) .....	7-36.210
MOTOR-GRADER OPERATOR (construction) .....	7-23.020
TRACTOR OPERATOR (any industry) .....	7-36.510

### III Occupations requiring considerable additional training in techniques of diagnosing faulty operation or making repairs to internal combustion motors:

AIRCRAFT-ENGINE MECHANIC (aircraft manufacturing) .....	5-80.130
AUTOMOBILE MECHANIC (automotive services) .....	5-81.010
AUTOMOBILE TESTER (automotive services) .....	5-81.920
CARBURETOR MAN (I) (air transportation) .....	5-80.130
MOTOR ANALYST (automotive services) .....	5-81.620
MOTOR AND CHASSIS INSPECTOR (automobile manufacturing) .....	5-81.630
TRACTOR MECHANIC (any industry) .....	5-81.040

## RELATED FIELDS OF WORK

Combustion Engine Repairing .....	4-X2.103
Hauling Machine Operating .....	4-X2.492
Hauling Machine Operating .....	6-X2.492

## DRIVER MECHANIC (TANK) (ARMY TRADE GROUP C)

Drives and performs minor maintenance to tracked and wheeled vehicles; drives all types of tracked and wheeled vehicles assigned to corps; carries out emergency and running repairs to fueling, lubrication, electrical, cooling, braking, steering, suspension systems and clutch pedal adjustments; recovers and tows disabled equipment.

Must understand the use of tank tools. Must know lubricants and their uses.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

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#### I Occupations requiring brief training to learn to drive heavy trucks or construction vehicles; or in repairing automotive parts:

AUTOMOBILE-ACCESSORIES INSTALLER (automotive services) . . . .	7-83.981
AUTOMOBILE-MECHANIC HELPER (automotive services) . . . . .	7-81.010
DUMP-TRUCK DRIVER (any industry) . . . . .	7-36.220
HEADLIGHT REPAIRMAN (automotive services) . . . . .	7-81.420
HEAVY REPAIRMAN (automobile manufacturing) . . . . .	7-81.640
LIGHT REPAIRMAN (automobile manufacturing) . . . . .	7-81.650
ROAD-OILING-TRUCK DRIVER (construction) . . . . .	7-36.230
SPEEDOMETER REPAIRMAN (automotive services) . . . . .	7-81.910
TRACTOR OPERATOR (any industry) . . . . .	7-36.510
TRUCK DRIVER, HEAVY (any industry) . . . . .	7-36.250

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#### II Occupations requiring brief on-the-job training to learn to operate one of a variety of gasoline-motored vehicles and their auxiliary equipment:

BUS DRIVER (motor vehicle transportation) . . . . .	5-36.010
CHAUFFEUR (domestic service) . . . . .	7-36.050
EMERGENCY-VEHICLE DRIVER (governmental services; medical services) . . . . .	5-36.010
ROUTEMAN (any industry) . . . . .	7-35.100
TAXI DRIVER (motor vehicle transportation) . . . . .	7-36.040
TEST DRIVER (automobile manufacturing) . . . . .	5-36.030
TOW-BAR DRIVER (automobile manufacturing) . . . . .	7-36.030
TRAILER-TRUCK DRIVER (any industry) . . . . .	7-36.240
VAN DRIVER (motor vehicle transportation) . . . . .	7-36.251

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#### III Occupations requiring additional training in methods of diagnosing faults and making extensive repairs to motor vehicles:

AUTOMOBILE MECHANIC (automotive services) . . . . .	5-81.010
BUS MECHANIC (automotive services) . . . . .	5-81.035
CONSTRUCTION-EQUIPMENT MECHANIC (construction) . . . . .	5-83.641
ELECTRICIAN, AUTOMOTIVE (automotive services) . . . . .	5-81.420
MOTOR ANALYST (automotive services) . . . . .	5-81.620
MOTORCYCLE REPAIRMAN (automotive services) . . . . .	5-81.020
TRACTOR MECHANIC (any industry) . . . . .	5-81.040
TRUCK MECHANIC (automotive services) . . . . .	5-81.030

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### RELATED FIELDS OF WORK

Combustion Engine Repairing . . . . .	4-X2.103
Hauling Machine Operating . . . . .	4-X2.492

## DRIVER OPERATOR (ARMY TRADE GROUP C)

Drives motor vehicle, sets up and operates radio telegraphy and wireless telegraphy units: unpacks, connects up and adjusts wireless set for working as ground or mobile station, and repacks when necessary; locates and repairs external faults; sends and receives wireless telegraphy messages at a minimum of ten words per minute from ground station, and six words per minute from moving vehicle; cares for and maintains primary and secondary batteries. Must be a qualified Driver, I.C.

Must have knowledge of elementary electricity. Must be proficient in map reading and in use of map reference codes (e.g.—in visualizing ground by looking at map, in determining best route from point to point on map, etc.).

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

BATTERYMAN (any industry).....	5-89.411
BUS DRIVER (motor vehicle transportation) .....	5-36.010
CHAUFFEUR (any industry).....	7-36.010
INSTRUMENT-LANDING-TRUCK OPERATOR (air transportation)...	0-61.65
RADIO-OPERATOR APPRENTICE (water transportation).....	0-69.47
TAXI DRIVER (motor vehicle transportation) .....	7-36.040
TRUCK DRIVER, LIGHT (any industry).....	7-36.260

#### II Occupations requiring brief additional training in operation or repair of radio equipment:

CONTROL SUPERVISOR, JUNIOR (I) (radio broadcasting).....	0-66.03
ELECTRICIAN, RADIO (any industry).....	5-83.445
PHOTORADIO OPERATOR (radio broadcasting) .....	0-61.70
RADIO REPAIRMAN (any industry).....	5-83.411
RADIO TELEGRAPH OPERATOR (air transportation; telephone & telegraph; water transportation).....	0-61.33
RECEIVER TESTER (radio manufacturing).....	4-98.060

#### III Occupations requiring considerable additional training to learn draughting, or public speaking, or to learn to operate and maintain radio-station equipment:

DRAFTSMAN, MAP (professional & kindred).....	0-48.15
FIELD ENGINEER (radio broadcasting).....	0-61.50
RADIO MECHANIC (II) (any industry).....	5-83.447
RADIO OPERATOR (II) (air transportation; telephone & telegraph; water transportation).....	0-61.33
RADIOTELEPHONE-TECHNICAL OPERATOR (telephone & telegraph).....	0-61.25
TESTING-AND-REGULATING MAN (telephone & telegraph).....	5-53.910
TRANSMISSION ENGINEER (telephone & telegraph).....	5-53.920
TRANSMITTER TESTER (radio manufacturing).....	0-61.80

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### RELATED FIELDS OF WORK

Radio Repairing and Related.....	4-X6.185
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## DRIVER (TRANSPORTATION PLANT) (ARMY TRADE GROUPS C, B, and A)

Operates, drives and maintains Diesel, electric, compressed air, gasoline, or steam-driven machines and equipment used for conveying or removing material or equipment: operates and drives cranes, pile-drivers, and excavators with aid of levers and pedals; maintains machinery by oiling, greasing, checking for defects, checking for proper assembly, cleaning of machine parts; maintains safety precautions by proper application of power to load, by proper use of load and radii factors, by taking precautions in high winds, by use of clips and blocking out girders when necessary, by knowledge of ground and slope conditions negotiable by caterpillar equipment, and by inspection of ropes, slings, brakes and other equipment. Driver (Transportation Plant) (Group A) may operate and drive locomotives.

Driver (Transportation Plant) (Group C) must be a qualified Fireman (Stationary Engine) if operating steam-driven equipment, or a qualified Engine Hand if operating gasoline or Diesel-driven equipment; and have safe manipulative knowledge of all types of either cranes, pile-drivers, or excavators. Driver (Transportation Plant) (Group B) must have safe manipulative knowledge of all types of machines of any two of the above classes of equipment. In addition, Driver (Transportation Plant) (Group A) must be a qualified Engine Driver (Railway); or be able to drive all types of machines of all three classes of equipment.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

CATERPILLAR-CRANE OPERATOR (any industry).....	5-73.050
CRANE OPERATOR, PORTABLE (ship & boat building & repairing)....	7-73.010
CUPOLA HOISTMAN (foundry).....	7-73.510
DERRICK-BOAT OPERATOR (any industry).....	5-73.750
DREDGE LEVERMAN (construction).....	5-23.010
HOISTMAN (bituminous coal mining; metal mining; nonmetal mining)....	5-73.510
INDUSTRIAL-LOCOMOTIVE OPERATOR (any industry).....	5-41.060
PILE-DRIVER OPERATOR (construction).....	5-23.610
POWER-SHOVEL OPERATOR (any industry).....	5-73.210
WINCHMAN (III) (any industry).....	7-73.740

#### II Occupations requiring brief additional training in supervision of hoisting or other crews; or in the operation of electric, steam, or gasoline-powered vehicles:

AERIAL-TRAM OPERATOR (bituminous coal mining; metal mining; non-metal mining).....	7-88.480
BUS DRIVER (motor vehicle transportation).....	5-36.010
ENGINEER (logging).....	5-73.330
GASOLINE-DINKEY OPERATOR (any industry).....	7-40.030
MOTORMAN (any industry).....	7-40.050
ROPE DRIVER (bituminous coal mining).....	5-93.210
TRACTOR OPERATOR (any industry).....	7-36.510
WELL PULLER (petroleum & natural gas production).....	7-20.020

#### III Occupations requiring considerable additional training in the set-up and rigging of hoisting equipment:

RIG BUILDER (petroleum & natural gas production).....	5-20.840
RIGGER (cement; construction).....	5-88.020
RIGGER (logging).....	4-30.320
RIGGER (X) (any industry).....	5-88.040
RIGGER, SECOND (logging).....	6-30.350
RIGGER, UNDERGROUND CABLE (light, heat, & power).....	5-53.372
SHIP RIGGER (ship & boat building & repairing).....	5-05.570

### RELATED FIELDS OF WORK

Hauling Machine Operating.....	4-X2.492
Hoisting Machine Operating.....	4-X2.493
Hoisting Machine Operating.....	6-X2.493

## EDGERMAN (FORESTRY) (ARMY TRADE GROUP C)

Operates edger at a capacity of 1500/2000 F.B.M. per hour: pushes plank into feed rollers that force it between saws for removal of wane and splitting of boards into merchantable sizes; exercises care to avoid waste in cutting according to specifications.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

CORR WOOD-CUTTER (any industry) .....	6-31.220
FLOORING-MACHINE FEEDER (planing mill) .....	6-34.060
GANG SAWYER (sawmill) .....	6-31.420
LOG CUTTER, EXCELSIOR (excelsior) .....	6-31.110
RESAW OPERATOR (sawmill) .....	6-31.430
SHINGLE-SAW OPERATOR (basketry & rattan & willowware) .....	6-31.120
TRIMMER MAN (sawmill) .....	6-31.440

#### II Occupations requiring brief training in methods of setting up saws and operating sawing machine used for shaping wooden articles:

BAND-RIPSAW OPERATOR (woodworking) .....	6-33.211
BORING-MACHINE OPERATOR, MULTIPLE SPINDLE (woodworking) .....	6-33.412
EDGER MAN (sawmill) .....	6-31.410
FLUTING-MACHINE OPERATOR (furniture) .....	6-33.362
FRAZING-MACHINE OPERATOR (wooden articles turned & shaped, & other wooden goods) .....	6-33.363
TRIMMER (cigar box) .....	6-39.215
VARIETY-SAW OPERATOR (woodworking) .....	6-33.224
VENEER CLIPPER (basketry & rattan & willowware; furniture; veneer & plywood) .....	6-39.472

#### III Occupations requiring additional training in methods of sawing sheet metal or iron and steel bars:

CIRCLE-SHEAR OPERATOR (boilermaking) .....	6-88.661
CIRCULAR-SAWING-MACHINE OPERATOR (machine shop) .....	6-78.612
HOT-SAW MAN (iron & steel) .....	6-88.652
POWER-SHEAR OPERATOR (any industry) .....	6-88.664
SLITTING-MACHINE OPERATOR (automobile manufacturing; tin can & other tinware; iron & steel) .....	6-94.205
TRIMMING-PRESS OPERATOR (forging) .....	6-88.717

### RELATED FIELDS OF WORK

Miscellaneous Woodworking Machine Tending .....	6-X2.429
Wood Machining .....	4-X2.02
Wood Sanding .....	6-X2.425

## EDGERMAN (FORESTRY) (ARMY TRADE GROUP B)

In addition to duties of Edgerman (Forestry) ( Group C), sets up and adjusts saws and keeps machine in working order: spaces saw blades so that a board of highest quality may be cut from rough board; changes saw teeth and holders; changes shanks or bits; detects and corrects faulty alignment of feed rolls and saws; adjusts loose saw collars and belts; keeps machine in general repair.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

BAND-RIPSAW OPERATOR (woodworking).....	6-33.211
BILL CUTTER (planing mill).....	6-33.213
BOLTER; <i>Knee Bolter</i> (sawmill).....	6-31.130
EDGER MAN (sawmill).....	6-31.410
GANG SAWYER (sawmill).....	6-31.420
LOG CUTTER, EXCELSIOR (excelsior).....	6-31.110
RESAW OPERATOR (sawmill).....	6-31.430
TAIL SAWYER (paper & pulp).....	6-31.240

#### II Occupations requiring brief training in operating saws requiring dexterity in sawing, squaring or trimming wood:

BAND-SCROLL-SAW OPERATOR (woodworking).....	6-33.212
CLAPBOARD SAWYER (sawmill).....	6-31.230
FLUTING-MACHINE OPERATOR (furniture).....	6-33.362
TIE TRIMMER (wood preserving).....	6-39.428
TIMBER FRAMER (bituminous coal mining; metal mining; sawmill)....	6-33.227
TRIM SAWYER (furniture).....	6-33.222
VENEER SAWYER (veneer & plywood).....	6-31.210

#### III Occupations requiring additional training in sawing metal and stone, or in operating woodworking machines:

BAND-SAWING-MACHINE OPERATOR (machine shop).....	6-78.611
BARKER, POWER; <i>Barker Operator</i> (paper & pulp).....	6-41.011
BEVEL-SAW OPERATOR (cigar box).....	6-39.211
CIRCULAR SAWYER, STONE; <i>Diamond Sawyer</i> (marble, granite, slate, & other stoneworking).....	6-69.010
LINDERMAN OPERATOR (automobile manufacturing; furniture; planing mill).....	6-33.917
TURNING-MACHINE OPERATOR (basketry & rattan & willowware; cooperage; cigar box).....	6-33.440
WOOD-CARVING-MACHINE OPERATOR (furniture; planing mill).....	6-33.366

### RELATED FIELDS OF WORK

Miscellaneous Woodworking Machine Tending.....	6-X2.429
Wood Machining.....	4-X2.02
Wood Sanding.....	6-X2.425

For additional information see EDGERMAN (FORESTRY) (ARMY TRADE GROUP C).



## ELECTRICIAN (ARMY TRADE GROUPS C and B)

Wires and tests electric light circuits: secures panel boards, outlet boxes, switch boxes and other concealed or recessed equipment; measures, cuts, threads, bends, assembles and installs conduit used to connect the various outlets, panels and boxes; pulls wire through conduit; splices wire by removing insulation with knife or cutting pliers, twists bare wires together and solders and tapes connections; installs lighting fixtures and connects them to wiring systems; tests circuits for continuity and proper connections, using a battery and buzzer or a light bulb. May splice cable.

Must have some knowledge of electrical units and the applications of Ohm's Law. Must know the carrying capacity of wires and cables. Must be familiar with the use of electrical tools and equipment.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BODY WIREMAN (automobile manufacturing).....	9-02.01
COIL WINDER (any industry).....	6-99.013
ELECTRIC-METER INSTALLER (light, heat, & power).....	5-83.451
ELECTRIC-TRY-OUT MAN (automobile manufacturing).....	7-83.421
ELECTRICIAN APPRENTICE (any industry).....	7-95.100
ELECTRICIAN, FIXTURE INSTALLATION (construction).....	4-97.010
ELECTRICIAN, WIRING AND WIRE RUNNING (construction).....	4-97.010
LAMP WIRER (lighting fixtures).....	7-00.928
SWITCHROOM MAN (electrical equipment).....	7-00.133

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#### II Occupations requiring brief training in the industrial method of wiring, installing, servicing and inspecting electrical equipment:

AUTOMOBILE-GENERATOR REPAIRMAN (automotive services).....	5-81.410
BATTERY INSPECTOR (railroad locomotive & car building & repairing).....	7-89.412
CALL-BOX WIRER (telephone & telegraph).....	7-53.010
ELECTRIC-METER TESTER (light, heat, & power).....	5-83.452
ELECTRICAL-APPLIANCE SERVICEMAN (any industry).....	5-83.041
INSTALLER (radio manufacturing).....	6-98.120
SIGNAL-SERVICE REPAIRMAN (railroad transportation).....	5-79.170
STATION INSTALLER (telephone & telegraph).....	7-53.030

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#### III Occupations requiring additional training in techniques of laying out, installing, and repairing electrical fixtures, apparatus, control equipment and wiring used in alarm, communication, light and power systems:

ELECTRIC-MOTOR ASSEMBLER AND TESTER (any industry).....	5-83.432
ELECTRIC-REFRIGERATOR SERVICEMAN (any industry).....	5-83.031
ELECTRICAL ASSEMBLER (refrigerator & refrigerating & ice-making equipment).....	5-00.511
ELECTRICAL REPAIRMAN (any industry).....	4-97.420
ELECTRICAL TESTER (light, heat, & power).....	5-53.360
GENERATOR OPERATOR (light, heat, & power).....	5-51.110
STATION INSTALLER (telephone & telegraph).....	5-53.030

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### RELATED FIELDS OF WORK

Electrical Equipment Repairing.....	4-X6.183
Electrical Wiring and Related.....	4-X6.181

## ELECTRICIAN (ARMY TRADE GROUP A)

In addition to duties of Electrician (Groups C and B), supervises and directs the installation and maintenance of electrical systems: directs installation of generators and other equipment in small electrical power plants; supervises the installation of transformers; directs wiring and installation of power switchboards and repair of electric motors, generators and transformers; supervises the splicing of lead cables and installation of wiring systems for alarms, lights and power; supervises installation and wiring of A.C. and D.C. motors and generators; tests and repairs electric motors, armatures and coils; refaces commutators; installs and performs simple repairs on all types of motors and control panels; supervises the maintenance and repair of storage batteries and dry cells; maintains small electric lighting and power plant.

Must have a thorough knowledge of the theory and principles of A.C. and D.C. motors, generators, magnetos and secondary batteries. Must be skilled in the use of electrician's tools and be able to read blueprints and wiring diagrams. Must be able to estimate time and material required for a job from plans and specifications.

### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

#### I Occupations not requiring additional training:

ELECTRIC-MOTOR ANALYST (any industry) .....	5-83.431
ELECTRIC-MOTOR FITTER (railroad locomotive & car building & repairing) .....	5-83.436
ELECTRICIAN (any industry) .....	4-97.010
ELECTRICIAN, AUTOMOTIVE (automotive services) .....	5-81.420
ELECTRICIAN, CHIEF (any industry) .....	4-97.420
ELECTRICIAN, POWER-HOUSE (light, heat, & power) .....	4-97.510
POWER-HOUSE RUNNER (light, heat, & power) .....	5-51.030
POWERMAN (telephone & telegraph) .....	5-72.010

#### II Occupations requiring brief additional training to learn to repair electrical equipment, including radio; or to learn to operate power transmitting equipment:

COMBINATION MAN (telephone & telegraph) .....	5-53.210
ELECTRIC-MOTOR REPAIRMAN (any industry) .....	5-83.433
ELECTRIC-WRITING-MACHINE SERVICEMAN (any industry) .....	5-83.130
ELECTRICIAN, AIRPLANE (air transportation) .....	4-97.915
FIELD-COIL WINDER (any industry) .....	4-99.011
POWERHOUSE REPAIRMAN (electrical equipment) .....	5-83.621
SUBSTATION OPERATOR (light, heat, & power) .....	5-51.210
STATION REPAIRMAN (telephone & telegraph) .....	5-53.250

#### III Occupations requiring considerable additional training in making or repairing electrical precision instruments:

ELECTRICAL-INSTRUMENT REPAIRMAN (electrical equipment) .....	5-83.975
ELECTRICIAN, OFFICE (telephone & telegraph) .....	5-53.250
ELECTRICIAN, RECTIFIER MAINTENANCE (light, heat, & power) ..	4-97.520
FINAL TESTER (electrical equipment) .....	4-99.432
INSTRUMENT MAKER (electrical equipment) .....	5-00.912
POWER-PLANT ATTENDANT (radio broadcasting) .....	5-51.020
TRANSFORMER REBUILDER (any industry) .....	4-99.171
TRANSMISSION ENGINEER (telephone & telegraph) .....	5-53.920

### RELATED FIELDS OF WORK

Electrical Equipment Repairing .....	4-X6.183
Electrical Unit Assembling .....	4-X6.308

For additional information see ELECTRICIAN (ARMY TRADE GROUPS C and B).

## ELECTRICIAN (CONTROL EQUIPMENT) (ARMY TRADE GROUPS C, B, and A)

Installs, overhauls and repairs any type of electrical wiring (except radio frequency), automatic remote control equipment, and electrical computing instruments: uses such instruments as voltmeters, ammeters, ohmmeters and meggers in testing various sound locators, control gears, electrical fuse setters, power ramming equipment, A.R.L. remote control systems, A.R.C. systems, A.C. or D.C. generators, motors and starters, and associated switchboard equipment; locates and remedies faults of both electrical and mechanical nature in above mentioned equipment, using files, chisels, hacksaws, drills, taps and dies, soldering irons, blow torches, and other electrician's standard tools; carries out light fitting, including drilling and tapping in mild steel and brass; solders and insulates joints in small wires, single and multiple cables; sweats thimbles and lugs to cables; makes soldered and brazed joints in copper, brass and mild steel sheet; charges and maintains primary and secondary batteries and accumulators; works accurately to drawings and sketches of mechanical parts and electrical circuits.

Must have a thorough knowledge of the principles of magnetism and electricity (A.C. and D.C.) and understand how thermionic valves (including thyratrons) amplify at low frequencies. Must understand the current-carrying capacity of cables and fuses.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

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#### I Occupations requiring brief training in specific job:

ELECTRICAL-INSTRUMENT REPAIRMAN (any industry).....	5-83.975
ELECTRICAL REPAIRMAN (any industry).....	4-97.420
ELECTRICIAN (any industry).....	4-97.010
ELECTRICIAN, MACHINE SHOP (machine shop).....	4-97.410
ELECTRICIAN, WIRING AND WIRE RUNNING (construction).....	4-97.010

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#### II Occupations requiring brief additional training to learn maintenance and repair methods specific to an electrical device or plant:

ELECTRIC-MOTOR FITTER (railroad locomotive & car building & repairing).....	5-83.436
ELECTRIC-MOTOR REPAIRMAN (any industry).....	5-83.433
ELECTRIC-REFRIGERATOR SERVICEMAN (any industry).....	5-83.031
ELECTRICIAN, AUTOMOTIVE (automotive services).....	5-81.420
ELECTRICIAN, POWER-HOUSE (light, heat, & power).....	4-97.510
ELECTRICIAN, YARD (ship & boat building & repairing).....	4-97.230
POWERMAN (III) (telephone & telegraph).....	5-51.510
PUBLIC-ADDRESS SERVICEMAN (any industry).....	5-83.415
SIGNAL-SERVICE REPAIRMAN (railroad transportation).....	5-79.170
VACUUM-CLEANER REPAIRMAN (any industry).....	5-83.011

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#### III Occupations requiring additional training to learn methods of assembling and installing electrical equipment of ships or airplanes, or to learn methods of testing and repairing electrical instruments:

ELECTRIC-METER TESTER (light, heat, & power).....	5-83.452
ELECTRICAL ADJUSTER (electrical equipment).....	5-00.933
ELECTRICAL INSPECTOR (aircraft manufacturing).....	4-97.930
ELECTRICIAN, AIRPLANE (II) (air transportation).....	4-97.915
ELECTRICIAN, SHIP (II) (water transportation).....	4-97.270
ELECTRICIAN, SHOP (ship & boat building & repairing).....	4-97.220
INSTRUMENT MAKER (electrical equipment).....	5-00.912

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### RELATED FIELDS OF WORK

Electrical Repairing.....	4-X6.18
Electrical Unit Assembling (Including Instrument Repair).....	4-X6.308



# ELECTRICIAN (RADAR) (ARMY TRADE GROUPS C, B, and A)

Carries out protective maintenance tasks on radar equipment and associated Diesel electric generator; makes periodic tests and checks to electronic circuits, using meters and other electronic testing equipment; traces faults in radar; repairs minor defects by replacing components such as tubes and resistors; reads schematic radio diagrams; makes minor repairs to radio chassis, such as soldering components; makes minor repairs to Diesel electric generators and keeps oil filters clean.

Must know operation of radio and electronic circuits, antennae, etc. Should have advanced mathematics and know fundamental principles of Diesel engines.

To qualify for Electrician (Radar) (Group B), must have additional experience of three months as Group C.

To qualify for Electrician (Radar) (Group A), must have additional experience of six months as Group B.

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## RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

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**I Occupations requiring brief on-the-job training in industrial techniques of assembly, inspection, maintenance and repair jobs found in plants manufacturing radar equipment.**

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**II Occupations requiring brief training in methods of repairing civilian radio equipment:**

INSTALLER (radio manufacturing) .....	6-98.120
RADIO INSTALLER, AUTOMOBILE (automotive services) .....	7-83.415
RADIO REPAIRMAN (radio manufacturing) .....	6-98.210
RADIO-TECHNICIAN HELPER (radio manufacturing) .....	6-98.220
RADIO-TRANSMITTER ASSEMBLER (radio manufacturing) .....	6-98.310
TESTING-MACHINE OPERATOR (radio manufacturing) .....	6-98.290

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**III Occupations requiring considerable additional training to learn methods of assembly, repairing and testing electrical equipment:**

ELECTRIC-CONTAINER TESTER (electrical equipment) .....	5-00.111
ELECTRIC-METER INSTALLER (light, heat, & power) .....	5-83.451
ELECTRIC-METER TESTER (light, heat, & power) .....	5-83.452
ELECTRIC-MOTOR REPAIRMAN (any industry) .....	5-83.433
ELECTRIC-TRY-OUT MAN (automobile manufacturing) .....	7-83.421
ELECTRICAL-APPLIANCE SERVICEMAN (any industry) .....	5-83.041
ELECTRICAL TESTER (radio manufacturing) .....	4-98.010

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## RELATED FIELDS OF WORK

Electrical Equipment Repairing .....	4-X6.183
Radio Repairing and Related .....	4-X6.185

## ELECTRICIAN (SIGNALS) (ARMY TRADE GROUPS C, B, and A)

Inspects, tests and repairs service electrical equipment: connects up, runs and maintains generators, rotary converters and transformers, switchboards, safety devices and distributors; repairs, reassembles and tests service electric motors; runs internal combustion engines employed in service charging sets and cleans sparking plugs and carburetor; diagnoses, locates and clears trouble in service telephone and telegraph equipment; connects inside wiring, outside service wires and cable terminals; inspects, installs, tests and repairs radio transmitting and receiving sets; maintains primary and secondary batteries, charging secondary batteries from service charging sets and from existing Direct Current mains; installs and tests permanent bank of secondary batteries; sets up, connects, fills and empties cells of lead types of storage batteries; does repairs (not requiring Instrument Mechanic skill) to electrical instruments, control and testing devices such as voltmeters, recording gauges, relays, thermostats, motor starting boxes; splices and insulates wires; uses and inspects electrical testing and measuring instruments. Electrician (Signals) (Group A) uses and tests wattmeters and frequency meters, measures inductance and capacity of a cell with wavemeters, calibrates wavemeter from a sub-standard and recalibrates sub-standards by means of crystals; takes charge of installation of service power plant.

Must have technical and theoretical knowledge of electricity. Must know phonetic alphabet and Radio Telegraphy procedure. Must have general knowledge of organization of corps and security measures. Must be able to read and set maps, with or without compass.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>		
BATTERYMAN (any industry).....		5-89.411
CABLE SPLICER (construction; light, heat, & power).....		5-53.950
ELECTRIC-MOTOR ASSEMBLER AND TESTER (any industry).....		5-83.432
ELECTRIC-MOTOR REPAIRMAN (any industry).....		5-83.433
ELECTRICIAN, AUTOMOTIVE (automotive services).....		5-81.420
POWERMAN (telephone & telegraph).....		5-51.510
STATION REPAIRMAN (telephone & telegraph).....		5-53.250
<b>II Occupations requiring brief additional training to become familiar with different types of electrical equipment, motors or radios:</b>		
AUTOMOBILE MECHANIC (automotive services).....		5-81.010
ELECTRICAL REPAIRMAN (any industry).....		4-97.420
ELECTRICIAN, AIRPLANE (aircraft manufacturing).....		4-97.910
ELECTRICIAN, POWER-HOUSE (light, heat, & power).....		4-97.510
ELECTRICIAN, RADIO (any industry).....		5-83.445
RADIO-AND-ELECTRICAL INSPECTOR (aircraft manufacturing)....		4-97.930
RADIO REPAIRMAN (any industry).....		5-83.411
TROUBLE SHOOTER (radio manufacturing).....		5-83.413
WIREMAN (bituminous coal mining; metal mining).....		4-97.010
<b>III Occupations requiring considerable additional training in repairing instruments; or in operating a radio; or in radio or sound engineering:</b>		
CONTROL SUPERVISOR, SENIOR (radio broadcasting).....		0-66.03
ELECTRICAL-INSTRUMENT REPAIRMAN (any industry).....		5-83.975
RADIO ENGINEER (radio broadcasting).....		0-17.01
RADIO OPERATOR (governmental services; radio broadcasting; water transportation).....		0-61.30
SOUND ENGINEER (motion picture).....		0-17.01
SUPERINTENDENT, RADIO ERECTION (radio manufacturing).....		0-97.51
TRANSMITTER TESTER (radio manufacturing).....		0-61.80
<b>RELATED FIELDS OF WORK</b>		
Electrical Engineering and Related.....		0-X7.48
Radio Repairing and Related.....		4-X6.185

## ELECTRICIAN (VEHICLE AND PLANT) (ARMY TRADE GROUPS C, B, and A)

Installs, inspects, repairs, maintains, and reconditions electrical equipment in vehicles and in workshops, according to blueprint specifications: services such electrical equipment as lighting and ignition systems, generators, batteries, motors, chargers, accumulators, welders, and circuit breakers, using electrician's tools and testing devices; diagnoses and rectifies simple faults in all equipment; carries out light fitting, including drilling and tapping, in mild steel and brass; makes and insulates sound soldered joints in small wires, single and multiple cables; sweats thimbles and lugs to cables; solders joints; charges and maintains batteries and accumulators; rewires circuits on motors; reports on condition of all equipment. The Electrician (Vehicle and Plant) (Group A) supervises repair work.

Must know fundamentals of electrical systems found on both vehicles and plants. Must understand theory of magnetism and A.C. and D.C. currents. Must know capacity of cables, and use of fuses, motors, generators and meters.

### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

#### I Occupations not requiring additional training:

AUTOMOBILE-GENERATOR REPAIRMAN (automotive services).....	5-81.410
ELECTRIC-TRUCK REPAIRMAN (any industry).....	7-81 410
ELECTRICAL REPAIRMAN (any industry).....	4-97.420
ELECTRICIAN (any industry).....	4-97.010
ELECTRICIAN, AUTOMOTIVE (automotive services).....	5-81.420
ELECTRICIAN, MACHINE SHOP (machine shop).....	4-97.410
ELECTRICIAN, POWER-HOUSE (light, heat, & power).....	4-97.510
PROPULSION-MOTOR-AND-GENERAL REPAIRMAN (automotive services).....	5-81.430

#### II Occupations requiring brief training to learn to repair and maintain various types of electric motors; or to maintain and repair airplane or ship electrical equipment; or to learn electric wiring of motion picture sets or high-voltage converters:

BOARDMAN (motion picture).....	4-97.110
ELECTRIC-MOTOR ANALYST (any industry).....	5-83.431
ELECTRIC-MOTOR ASSEMBLER AND TESTER (any industry).....	5-83.432
ELECTRIC-MOTOR FITTER (railroad locomotive & car building & repairing).....	5-83.436
ELECTRIC-MOTOR REPAIRMAN (any industry).....	5-83.433
ELECTRICAL INSPECTOR (aircraft manufacturing).....	4-97.930
ELECTRICIAN, RECTIFIER MAINTENANCE (light, heat, & power).....	4-97.520
ELECTRICIAN, SHIP (ship & boat building & repairing).....	4-97.210
TIME-RECORDING-EQUIPMENT SERVICEMAN (any industry)....	4-97.425

#### III Occupations requiring additional training to learn to install communication wiring systems; or to install, test, and repair electrical instruments, meters, or radios:

CENTRAL-OFFICE INSTALLER (telephone & telegraph).....	5-53.010
ELECTRIC-METER TESTER (light, heat, & power).....	5-83.452
ELECTRICAL-INSTRUMENT REPAIRMAN (any industry).....	5-83.975
INSTRUMENT MAKER (electrical equipment).....	5-00.912
LINEMAN, SENIOR (telephone & telegraph).....	5-53.410
PRIVATE-BRANCH-EXCHANGE INSTALLER (telephone & telegraph).....	5-53.020
PROTECTIVE-SIGNAL INSTALLER (telephone & telegraph).....	5-53.081
RADIO MECHANIC (any industry).....	5-83.447
RADIO REPAIRMAN (any industry).....	5-83.411
STATION INSTALLER (telephone & telegraph).....	5-53.030
TELEGRAPH INSTALLER (telephone & telegraph).....	5-53.050

### RELATED FIELDS OF WORK

Electrical Repairing.....	4-X6.18
Electrical Unit Assembling (Including Instrument Repair).....	4-X6 308



## ELECTROPLATE (ARMY TRADE GROUPS C and B)

Covers metal objects electrolytically with a coating of chrome, tin, nickel, gold or other metal that can be buffed and polished to a bright and relatively rustproof finish: using vats and tanks, mixes acids and standard solutions for pickling, washing and plating metal; places work on bars or hooks attached to electrode; applies necessary electrical current; determines time required for depth of coating or plating; checks periodically the strength (by specific gravity) of the solution in use.

Must have a fair knowledge of elementary electrical theory including Ohm's Law and its application, and a practical knowledge of wiring simple electrical circuits. Should understand maintenance and care of D.C. and A.C. motors, generators and associated switchgear and regulators. Should be able to test in a skilled manner built-up parts. Must be capable of supervising the operation of an electro-disposition plant for any of the common metals. Electroplater (Group B) must have at least two years experience in electroplating.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BRASS PLATER (electroplating).....	4-74.010
BRONZE PLATER (electroplating).....	4-74.010
CHROMIUM PLATER (electroplating).....	4-74.010
COPPER PLATER (electroplating).....	4-74.010
GOLD PLATER (electroplating).....	4-74.010
NICKEL PLATER (electroplating).....	4-74.010
SILVER PLATER (electroplating).....	4-74.010
SURFACE TREATER (firearms & guns).....	6-74.915
TIN PLATER (electroplating).....	4-74.010

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#### II Occupations requiring brief additional training in methods of coating a wide variety of materials and objects by dipping or brushing:

ANODIC OPERATOR (aircraft manufacturing).....	4-74.910
COLORER (jewelry).....	4-72.461
DIPPER (any industry).....	7-16.930
GALVANIZER (any industry).....	6-74.110
RADIATOR-CORE DIPPER (automobile manufacturing).....	7-02.013
SILVERER (mirror).....	6-65.910
TINNER, AUTOMATIC REDIPPER (iron & steel).....	4-74.110

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#### III Occupations requiring additional training in methods of charging, maintaining, repairing, assembling or inspecting batteries; or in preparing acid solutions for the treatment of iron and steel:

ACID MAN (iron & steel).....	6-88.291
BATTERY ASSEMBLER (electrical equipment).....	5-00.115
BATTERY-CHARGER PLACER (electrical equipment).....	7-00.136
BATTERY INSPECTOR (railroad locomotive & car building & repairing).....	7-89.412
BATTERYMAN (any industry).....	5-89.411
BATTERYMAN, LARGE EMERGENCY STORAGE (light, heat, & power).....	5-83.435
SWITCHROOM MAN (electrical equipment).....	7-00.133

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### RELATED FIELDS OF WORK

Metal Processing Equipment Tending.....	6-X2.61
Plating (Metallic Solutions).....	4-X6.611

## ENGINE ARTIFICER (ARMY TRADE GROUPS C and B)

Operates, repairs and maintains internal combustion and compression ignition engines, pumps, compressors, cement mixers and similar equipment: examines malfunctioning engines to determine causes of faulty operation, checking such elements as valves, pistons and piston rings, crank shafts, connecting rods, bearings, timing gears, ignition systems and carburetors; disassembles unit and repairs or replaces defective parts; rebuilds assemblies and carries out necessary repairs, using standard tools as issued to Fitter, Motor Vehicle.

Engine Artificer (Group B) also supervises subordinates and must have qualified as Fitter (Group C).

Must understand lubricants and lubricating systems.

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### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

#### I Occupations not requiring additional training:

AIR-COMPRESSOR OPERATOR (any industry).....	7-72.580
AUTOMOBILE-ACCESSORIES INSTALLER (automotive services)....	7-83.981
AUTOMOBILE-GENERATOR REPAIRMAN (automotive services)....	5-81.410
AUTOMOBILE MECHANIC (automotive services).....	5-81.010
AUTOMOBILE-SERVICE-STATION ATTENDANT (automotive ser- vices).....	7-60.500
MOTOR ANALYST (automotive services).....	5-81.620
PUMP SERVICEMAN (any industry).....	5-83.641
TRUCK MECHANIC (automotive services).....	5-81.030

#### II Occupations requiring brief additional training in methods of repairs and maintenance of various types of mechanical transportation or construction equipment:

CONSTRUCTION-EQUIPMENT MECHANIC (construction).....	5-83.641
DIESEL MECHANIC (any industry).....	5-83.931
ELECTRICIAN, AUTOMOTIVE (automotive services).....	5-81.420
MACHINIST, MARINE GAS-ENGINE (ship & boat building & repair- ing).....	5-83.642
MAINTENANCE MAN, ENGINE (water transportation).....	5-83.641
MOTOR AND CHASSIS INSPECTOR (automobile manufacturing)....	5-81.630
MOTORBOAT MECHANIC (any industry).....	5-83.643
REFRIGERATION MECHANIC (any industry).....	5-83.941

#### III Occupations requiring considerable additional training in methods of overhauling and repairing airplane engines; or in operation of marine engines, stationary engines or construction equipment; or in repair and maintenance of mechanical equipment:

AIRCRAFT-ENGINE MECHANIC (air transportation).....	5-80.130
COMPRESSOR ENGINEER, CAISSON (construction).....	5-72.910
DIESEL-ENGINE OPERATOR, STATIONARY (any industry).....	5-72.210
ENGINEER (water transportation).....	0-88.24
MAINTENANCE ENGINEER (any industry).....	5-72.020
MASTER-MECHANIC, MAINTENANCE (any industry).....	5-83.621
REFRIGERATING ENGINEER (any industry).....	5-72.310

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### RELATED FIELDS OF WORK

Combustion Engine Repairing.....	4-X2.103
Engine and Pump Maintenance and Repairing.....	4-X2.102
Miscellaneous Mechanical Repairing.....	4-X2.109

## ENGINE DRIVER (RAILWAY) (ARMY TRADE GROUPS C, B, and A)

Operates steam, Diesel or electric locomotive, pulling and pushing railroad cars in yard or on main line: drives locomotive by manipulating levers which control its speed and direction, in accordance with train orders, schedules, and signals along the route; operates and maintains both forms of automatic brake (Vacuum or Westinghouse); carries out minor running adjustments to locomotive and diagnoses valve and piston troubles; re-rails locomotives and wagons with the aid of jacks and ramps; packs glands, makes trimmings and fits pads in axle boxes.

Must be well acquainted with code of rules and regulations for double and single line working. Must have practical knowledge of economical firing of locomotive. Engine Driver (Railway) (Group A) must be acquainted with super-heaters and their lubrication, and with feed-heaters and steam-feed pumps. Must take immediate action in case of accident or breakdown; and take charge of crew dealing with simple derailment. Must be able to take sole charge of one type of internal combustion railway tractor.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

ELECTRIC-LOCOMOTIVE OPERATOR (railroad transportation).....	5-41.040
HOSTLER (ship & boat building & repairing).....	7-70.050
HOSTLER, INSIDE (railroad transportation).....	5-41.020
HOSTLER, OUTSIDE (railroad transportation).....	5-41.030
INDUSTRIAL-LOCOMOTIVE OPERATOR (any industry).....	5-41.060
LOCOMOTIVE ENGINEER (railroad transportation).....	5-41.010
LOCOMOTIVE ENGINEER, GASOLINE (any industry).....	5-41.070

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#### II] Occupations requiring brief on-the-job training to become familiar with type of engine to be operated and to become oriented to surroundings:

DIESEL-DINKEY OPERATOR (any industry).....	7-40.010
ENGINEER (logging).....	5-73.330
LOCOMOTIVE-CRANE OPERATOR (any industry).....	5-73.060
MOTORMAN (any industry).....	7-40.050
MOTORMAN (VI) (railroad transportation).....	5-43.200
STEAM-DINKEY OPERATOR (any industry).....	7-40.070
TUGBOAT ENGINEER (water transportation).....	0-88.23

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#### III Occupations requiring additional training in the supervision of railway equipment service and repair, or of the operation of rolling stock; or in the inspection of rolling stock or equipment:

BOILER INSPECTOR (professional & kindred).....	0-79.03
RAILROAD-CAR INSPECTOR (railroad transportation).....	5-76.020
ROAD-FOREMAN OF ENGINES (railroad transportation).....	5-95.040
ROUNDHOUSE FOREMAN (railroad locomotive & car building & re- pairing).....	5-92.401
STATION MASTER (railroad transportation).....	0-98.72
SUPERINTENDENT, MAINTENANCE OF EQUIPMENT (motor vehicle transportation; railroad transportation).....	0-98.06
TRANSPORTATION INSPECTOR (railroad transportation).....	0-79.22

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### RELATED FIELDS OF WORK

Hauling Machine Operating.....	4-X2.492
Managerial Work, Transportation and Miscellaneous Services.....	0-X8.49



## ENGINE FITTER (I.C. AND PUMPS) (ARMY TRADE GROUPS C and B)

Operates and maintains stationary internal combustion engines for the supply of power for electrical generation: operates gasoline or Diesel engine and observes operation of power driven equipment such as generators, air compressors, and pneumatic tools; decarbonizes and grinds in valves; cleans and adjusts magneto, coil ignition systems and filters; removes and replaces fuel pumps; fits pistons; refits steel, fuel and water piping; does simple soldering; anneals, bends and brazes copper tubing; orders spare parts; uses and maintains tools in a standard fitter's kit.

Must have theoretical and practical knowledge of gasoline and Diesel engines, and be able to overhaul and repair internal combustion engines, air compressors and pneumatic tools.

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### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

#### I Occupations not requiring additional training:

ACID-SOLUTION-PUMP MAN (textile).....	7-72.510
AIR-COMPRESSOR OPERATOR (any industry).....	7-72.580
BOOSTER-PUMP OPERATOR (pipe-line operation).....	7-72.520
CADET ENGINEER (water transportation).....	7-48.060
COOLING-TOWER OPERATOR (petroleum refining).....	7-72.540
DIESEL-ENGINE OPERATOR, STATIONARY (any industry).....	5-72.210
GAS-ENGINE OPERATOR (any industry).....	5-72.945
JACK-LINE MAN (petroleum & natural gas production).....	7-72.560
OPERATING ENGINEER, JUNIOR (construction).....	7-99.120
PUMPING ENGINEER (bituminous coal mining; metal mining; quarrying & sand & gravel).....	7-72.510

#### II Occupations requiring brief additional training to learn to operate specific type of crane, hoist or compressor; or in methods of maintaining and repairing construction equipment and engines:

COMPRESSOR ENGINEER, CAISSON (construction).....	5-72.910
COMPRESSOR OPERATOR (chemical).....	5-72.924
CONSTRUCTION-EQUIPMENT MECHANIC (construction).....	5-83.641
DIESEL MECHANIC (any industry).....	5-83.931
ENGINEER (logging).....	5-73.330
GAS-ENGINE REPAIRMAN (any industry).....	5-83.652
PILE-DRIVER OPERATOR (construction).....	5-23.610
SKIP OPERATOR (iron & steel).....	5-73.550
TOWER-EXCAVATOR OPERATOR (construction).....	5-23.020

#### III Occupations requiring considerable additional training in methods of operating and maintaining stationary engines and mechanical equipment:

DIESEL-PLANT OPERATOR (any industry).....	5-51.122
GENERATOR OPERATOR (light, heat, & power).....	5-51.110
MAINTENANCE ENGINEER (I) (any industry).....	5-72.020
POWER-HOUSE ENGINEER (any industry).....	5-51.010
POWER-HOUSE RUNNER (light, heat, & power).....	5-51.030
POWER-PLANT ATTENDANT (radio broadcasting).....	5-51.020
POWERHOUSE REPAIRMAN (electrical equipment).....	5-83.621
POWERMAN (telephone & telegraph).....	5-51.510
REFRIGERATING ENGINEER (any industry).....	5-72.310
STATIONARY ENGINEER (any industry).....	5-72.010

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### RELATED FIELDS OF WORK

Engine and Pump Maintenance and Repairing.....	4-X2.102
Hauling, Hoisting and Drilling Machine Operating.....	4-X2.49

## ENGINE FITTER (STEAM RECIPROCATING) (ARMY TRADE GROUPS C and B)

Operates and maintains reciprocating steam engines: overhauls high speed reciprocating engines, feed pumps and injectors; repacks glands and remakes steam and water joints; replaces boiler joints, gauge glasses and fusible plugs; washes out, cleans and maintains boilers; repairs and refits steam and water piping and small boiler mountings; maintains and keeps in operation boiler house of 10,000 lbs./hrs. steam capacity; operates and maintains small turbines. Engine Fitter (Steam Reciprocating) (Group C) works under supervision.

Must know classification of fuels and boilers. Must have knowledge of various assemblies and components of reciprocating steam engines.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training:

DIESEL-ENGINE OPERATOR, STATIONARY (any industry).....	5-72.210
HOT-MILL ENGINEER (iron & steel).....	5-72.050
MAINTENANCE ENGINEER (I) (any industry).....	5-72.020
POWER-HOUSE ENGINEER (any industry).....	5-51.010
REFRIGERATING ENGINEER (any industry).....	5-72.310
STATIONARY ENGINEER (any industry).....	5-72.010
TURBINE OPERATOR (light, heat, & power).....	5-51.120

#### II Occupations requiring additional training to learn operation and maintenance of boilers, generators or motors:

BOILER-HOUSE OPERATOR (any industry).....	5-72.930
BOILER TESTER (boilermaking).....	6-83.130
COMPRESSOR ENGINEER, CAISSON (construction).....	5-72.910
DIESEL-PLANT OPERATOR (light, heat, & power).....	5-51.122
GENERATOR OPERATOR (light, heat, & power).....	5-51.110
POWERMAN (II) (any industry).....	5-72.010
TIPPLE ENGINEER (bituminous coal mining).....	5-72.010

#### III Occupations requiring considerable additional training in learning to install, maintain and repair various types of internal combustion engines:

DIESEL-ENGINE ERECTOR (engine & turbine).....	4-75.120
DIESEL MECHANIC (any industry).....	5-83.931
ENGINEER (II) (fishing).....	0-88.25
ENGINEER (V) (water transportation).....	0-88.24
ENGINEER, CHIEF, MARINE (water transportation).....	0-88.21
MACHINIST, MARINE GAS-ENGINE (ship & boat building & repairing).....	5-83.642
MACHINIST, OUTSIDE (ship & boat building & repairing).....	4-75.150
MOTOR ANALYST (automotive services).....	5-81.620
MOTORBOAT MECHANIC (any industry).....	5-83.643

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### RELATED FIELDS OF WORK

Electrical Power-Plant Operation, Repairing.....	4-X6.188
Engine And Pump Maintenance And Repairing.....	4-X2.102

## ENGINE HAND (ARMY TRADE GROUP C)

Operates and maintains small internal combustion and compression ignition engines; makes pre-operating inspection of fuel tank, crankcase, battery, ignition and engine mounts; starts engine and observes ammeter, oil gauge, revolutions-per-minute indicator, and temperature gauges during operation; makes similar post-operating inspection; tightens hose connections, motor mounts and other engine parts; cleans and adjusts spark plugs, carburetor and fuel injector; lubricates engine; carries out replacement of spare parts of engine and equipment in use, when necessary.

Must have knowledge of general principles of cooling system (frost precautions), fuel systems and carburetion. Must understand functions of various parts of plant.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training:

AIR-COMPRESSOR OPERATOR (any industry).....	7-72.580
COMPRESSOR ENGINEER, CAISSON (construction).....	5-72.910
COMPRESSOR OPERATOR (chemical).....	5-72.924
DIESEL-ENGINE OPERATOR, STATIONARY (construction).....	5-72.210
GAS-COMPRESSOR OPERATOR (chemical; petroleum refining).....	5-72.920
GAS-ENGINE OPERATOR (any industry).....	5-72.945
HOT-MILL ENGINEER (iron & steel).....	5-72.050
REFRIGERATING-ENGINEER ASSISTANT (any industry).....	5-72.310

#### II Occupations requiring brief additional training in the operation of various types of cranes, hoists and shovels:

CANTILEVER-CRANE OPERATOR (ship & boat building & repairing)	5-73.015
CATERPILLAR-CRANE OPERATOR (any industry).....	5-73.050
ELECTRIC-BRIDGE-CRANE OPERATOR (any industry).....	5-73.010
ENGINEER (logging).....	5-73.330
HOISTMAN (bituminous coal mining; metal mining; nonmetal mining)....	5-73.510
MONORAIL-CHARGING-CRANE OPERATOR (foundry; iron & steel)...	5-73.080
PILE-DRIVER OPERATOR (construction).....	5-23.610
POWER-SHOVEL OPERATOR (any industry).....	5-73.210
TRENCH-DIGGING-MACHINE OPERATOR (construction).....	5-23.030
TRUCK-CRANE OPERATOR (any industry).....	5-73.070

#### III Occupations requiring considerable additional training in the operation and repair of specialized electrical and mechanical equipment:

CONSTRUCTION-EQUIPMENT MECHANIC (construction).....	5-83.641
DIESEL MECHANIC (any industry).....	5-83.931
DIESEL-PLANT OPERATOR (light, heat, & power).....	5-51.122
MAINTENANCE ENGINEER (any industry).....	5-72.020
POWER-HOUSE ENGINEER (any industry).....	5-51.010
POWERMAN (III) (telephone & telegraph).....	5-51.510
REFRIGERATING ENGINEER (any industry).....	5-72.310
STATIONARY ENGINEER (any industry).....	5-72.010
TURBINE OPERATOR (light, heat, & power).....	5-51.120

### RELATED FIELDS OF WORK

Combustion Engine Repairing.....	4-X2.103
Hoisting Machine Operating.....	4-X2.493



## ENGINEER (WATER TRANSPORT) DIESEL (ARMY TRADE GROUP C)

Operates and maintains Diesel marine engines: starts, stops and controls speed of engine and equipment; makes minor repairs to engine, reduction gears, propeller shafting, stuffing boxes, bilge pumps and electrical supply systems; services battery, starter engine, injectors, packing and pumps; checks oil, water, greases and cleanliness of fuel; lubricates engine.

Must pass test for Vehicle Mechanic (M.V.) (Group C) on marine engines.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

AUTOMOBILE-FUEL-PUMP REPAIRMAN (automotive services).....	7-81.010
BOOSTER-PUMP OPERATOR (any industry).....	7-72.520
DIESEL-ENGINE OILER (any industry).....	7-71.010
DIESEL-ENGINE OPERATOR, STATIONARY (any industry).....	5-72.210
JACK-LINE MAN (petroleum & natural gas production).....	7-72.560
MARINE OILER (water transportation).....	7-71.110
OILER (any industry).....	7-71.010
PUMPMAN (any industry).....	7-72.510

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#### II Occupations requiring brief additional training in the operation of construction equipment powered by Diesel motors:

DIESEL-CATERPILLAR-CRANE OPERATOR (any industry).....	5-73.050
DIESEL-DRAGLINE OPERATOR (any industry).....	5-73.320
DIESEL-HOISTING ENGINEER (any industry).....	5-73.520
DIESEL-POWER-SHOVEL OPERATOR (any industry).....	5-73.210
DIESEL-ROLLER OPERATOR (construction).....	7-23.940
POWER-SHOVEL OPERATOR (construction).....	5-73.210
TOWER-EXCAVATOR (construction).....	5-23.020

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#### III Occupations requiring considerable additional training in methods of assembling, repairing or testing internal combustion engines other than Diesel:

AIRCRAFT-ENGINE MECHANIC (air transportation).....	5-80.130
AUTOMOBILE MECHANIC, MOTOR (automotive services).....	5-81.610
AUTOMOTIVE-TEST-ENGINE MECHANIC (automotive services)....	5-81.050
ENGINE-INSTALLATION ASSEMBLER (aircraft manufacturing).....	5-03.572
ENGINE-REPAIR MECHANIC, BUS (automotive services).....	5-81.035
ENGINE TESTER (air transportation; aircraft manufacturing).....	5-80.350
MACHINIST, MARINE GAS-ENGINE (ship & boat building & repairing)	5-83.642
MOTOR ANALYST (automotive services).....	5-81.620

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### RELATED FIELDS OF WORK

Combustion Engine Repairing.....	4-X2.103
Engine and Pump Maintenance and Repairing.....	4-X2.102

## ENGINEER (WATER TRANSPORT) DIESEL (ARMY TRADE GROUPS B and A)

In addition to the duties of Engineer (Water Transport) Diesel (Group C), operates and carries out major reconditioning of Diesel marine engines, bilge pumps, and electrical apparatus; removes and replaces engine block as an assembly; detects faulty running and locates knocks; dismantles engine, and cleans and decarbonizes parts; grinds valves and replaces valve springs; adjusts tappets; fits piston rings; checks and assembles timing gears; repairs fuel, oil, and water pump assemblies; rebabbitts connecting rods and bearings; rebores and hones cylinders; reassembles engine, after repairs are completed. Cleans, repairs, and repacks bilge pumps. Diagnoses faults, and repairs and maintains electrical apparatus. Engineer (Water Transport) Diesel (Group A) instructs, directs, and supervises assistants and helpers.

Must have knowledge of Diesel fuel and lubrication requirements.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training in specific requirements of job:

AUTOMOBILE MECHANIC, DIESEL ENGINE (automobile manufacturing; automotive services).....	5-81.650
CADET ENGINEER (water transportation).....	7-48.050
DIESEL-ENGINE ERECTOR (engine & turbine).....	4-75.120
DIESEL-ENGINE OPERATOR, STATIONARY (any industry).....	5-72.210
DIESEL MECHANIC (any industry).....	5-83.931
ENGINEER (fishing).....	0-88.25
MACHINIST, MARINE (ship & boat building & repairing).....	4-75.150
TRACTOR MECHANIC (any industry).....	5-81.040

#### II Occupations requiring brief additional training in methods of assembling, testing and repairing engines other than Diesel:

AIRCRAFT-ENGINE MECHANIC (air transportation).....	5-80.130
AUTOMOBILE MECHANIC (automotive services).....	5-81.010
CONSTRUCTION-EQUIPMENT MECHANIC (construction).....	5-83.641
DOOR-ENGINE REPAIRMAN (railroad locomotive & car building & repairing).....	5-79.570
GAS-ENGINE REPAIRMAN (any industry).....	5-83.652
MAINTENANCE MAN, ENGINE; <i>Maintenance Mechanic</i> (water transportation).....	5-83.641
MOTOR ANALYST (automotive services).....	5-81.620
MOTORBOAT MECHANIC (any industry).....	5-83.643
TUGBOAT ENGINEER (water transportation).....	0-88.23

#### III Occupations requiring considerable additional training in the operation and supervision of all ship equipment; or technical training in any one phase of mechanical engineering:

ELECTRICIAN, SHIP (ship & boat building & repairing).....	4-97.210
ENGINEER (water transportation).....	0-88.24
ENGINEER, CHIEF, MARINE (water transportation).....	0-88.21
MAINTENANCE ENGINEER (any industry).....	5-72.020
MECHANICAL ENGINEER (professional & kindred).....	0-19.01
PORT ENGINEER (water transportation).....	0-88.22
POWER-HOUSE ENGINEER (any industry).....	5-51.010

### RELATED FIELDS OF WORK

Combustion Engine Repairing.....	4-X2.103
Engine and Pump Maintenance and Repairing.....	4-X2.102
Mechanical Engineering and Related.....	0-X7.44

For additional information see ENGINEER (WATER TRANSPORT) DIESEL (ARMY TRADE GROUP C).

## ENGINEER (WATER TRANSPORT) GASOLINE (ARMY TRADE GROUP C)

Operates and services gasoline marine engines: starts engine and observes ammeter, oil gauge, and temperature; regulates speed and direction of craft upon signals received; inspects engine during and after operation; performs normal servicing and maintenance of engine by checking and correcting battery, oil, water, gasoline, greases, magneto, packing, and pumps; makes minor repairs on gasoline engines, reduction gears, propeller and shaftings, bilge pump, and electrical system.

Must pass test for Vehicle Mechanic (M.V.) (Group C) on marine engines.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training in specific requirements of job:

AIRCRAFT-ENGINE-MECHANIC APPRENTICE; <i>Aero-Engine-Filter Apprentice</i> (air transportation) .....	7-99.050
AUTOMOBILE-MECHANIC HELPER (automotive services) .....	7-81.010
CARBURETOR MAN (automotive services) .....	7-81.610
JACK-LINE MAN (petroleum & natural gas production) .....	7-72.560
MARINE OILER (water transportation) .....	7-71.110
OPERATING ENGINEER, JUNIOR (construction) .....	7-99.120
PUMPMAN (any industry) .....	7-72.510

#### II Occupations requiring brief additional training in the operation of Diesel or gasoline-powered engines; or in the stripping and assembling of, and execution of light repairs to internal combustion engines:

DIESEL-ENGINE OPERATOR, STATIONARY (any industry) .....	5-72.210
DREDGE PUMPMAN (construction) .....	7-72.530
GASOLINE-HOISTING ENGINEER (any industry) .....	5-73.520
GASOLINE-LOCOMOTIVE-CRANE OPERATOR (any industry) .....	5-73.060
MACHINIST, MARINE GAS-ENGINE (ship & boat building & repairing) .....	5-83.642
MOTORBOAT MECHANIC (any industry) .....	5-83.643
MOTORBOAT OPERATOR (any industry) .....	7-49.101

#### III Occupations requiring considerable additional training in testing or in carrying out major repairs to gas or Diesel engines, other than marine:

AIRCRAFT-ENGINE MECHANIC; <i>Aero-Engine Filter</i> (air transportation) .....	5-80.130
AUTOMOBILE-REPAIR SERVICEMAN (automotive services) .....	5-81.910
CONSTRUCTION-EQUIPMENT MECHANIC (construction) .....	5-83.641
DIESEL MECHANIC (any industry) .....	5-83.931
ENGINE-REPAIR MECHANIC, BUS (automotive services) .....	5-81.035
TRACTOR MECHANIC (any industry) .....	5-81.040
TUGBOAT ENGINEER (water transportation) .....	0-88.23

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### RELATED FIELDS OF WORK

Mechanical Repairing and Related .....	4-X2.10
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## ENGINEER (WATER TRANSPORT) GASOLINE (ARMY TRADE GROUPS B and A)

In addition to the duties of Engineer (Water Transport) Gasoline (Group C), operates and repairs gasoline marine engines; maintains engines using hand and power operated lubrication equipment, valve grinding and cylinder re-boring equipment, and gasoline torch; removes and replaces engine block as an assembly; detects faulty running and locates knocks; dismantles engine, and cleans, decarbonizes, or replaces parts; grinds valves and replaces valve springs; adjusts tappets; fits piston rings; checks and assembles timing gears; remakes oil and water joints; repairs oil and water pump assemblies; rebabbitts connecting rods and bearings; rebores and hones cylinders; adjusts magnetos; reassembles engine, after repairs are completed.

Must have general knowledge of operation of semi-Diesel and Diesel marine engines.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training in specific requirements of job:

DIESEL-ENGINE OPERATOR, STATIONARY (any industry).....	5-72.210
DIESEL MECHANIC (any industry).....	5-83.931
MACHINIST, MARINE GAS-ENGINE (ship & boat building & repair- ing).....	5-83.642
MARINE OILER (water transportation).....	7-71.110
MOTORBOAT MECHANIC (any industry).....	5-83.643
MOTORBOAT OPERATOR (any industry).....	7-49.101
OUTBOARD-MOTOR ASSEMBLER (engine & turbine).....	4-75.120

#### II Occupations requiring brief additional training to install or repair gas or Diesel engines other than marine; or to operate gas-engine driven compressors or generators:

AUTOMOBILE MECHANIC, DIESEL ENGINE (automobile manufac- turing; automotive services).....	5-81.650
CONSTRUCTION-EQUIPMENT MECHANIC (construction).....	5-83.641
ENGINE REPAIRMAN; <i>Engine House Man</i> (railroad locomotive & car building & repairing).....	5-79.050
GAS-ENGINE OPERATOR, COMPRESSORS (petroleum refining).....	5-72.945
GAS-ENGINE OPERATOR, GENERATORS (any industry).....	5-72.945
GAS-ENGINE REPAIRMAN (any industry).....	5-83.652
PUMP SERVICEMAN; <i>Pump Mechanic</i> (any industry).....	5-83.641
TRACTOR MECHANIC (any industry).....	5-81.040

#### III Occupations requiring considerable additional training in the operation and supervision of all ship equipment; or in the operation and maintenance of power plants; or technical training in any one phase of mechanical engineering:

AIRCRAFT-ENGINE MECHANIC; <i>Aero-Engine Fitter</i> (air transporta- tion).....	5-80.130
DIESEL-PLANT OPERATOR (light, heat, & power).....	5-51.122
ENGINEER (fishing).....	0-88.25
ENGINEER (water transportation).....	0-88.24
ENGINEER, CHIEF, MARINE (water transportation).....	0-88.21
INTERNAL-COMBUSTION-ENGINE DESIGNER (professional & kind- red).....	0-19.01
MAINTENANCE MAN, ENGINE (water transportation).....	5-83.641
POWER-HOUSE ENGINEER (any industry).....	5-51.010
TUGBOAT ENGINEER (water transportation).....	0-88.23

### RELATED FIELDS OF WORK

Mechanical Engineering and Related.....	0-X7.44
Mechanical Repairing and Related.....	4-X2.10

## EQUIPMENT REPAIRER (ARMY TRADE GROUP C)

Repairs military equipment such as web equipment, canvas hoods, tarpaulins, blankets, tentage and leather goods: repairs textile materials, using hand and machine tools such as awls, chisels, hammers, planes, pliers, punches, rulers, scissors, screwdrivers, shears and all types of needles; re-covers seats with leatherette; makes mail bags, kit bag muzzle covers and hold-alls; repairs leather articles; cuts out straps; installs or replaces buckles, eyelets, rings, grommets, thimbles, rivets and staples; splices ropes.

Must have a general knowledge of textiles and leather. Must be able to operate stitcher and sewing machine.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

AWNING ASSEMBLER (canvas goods, flags & banners).....	6-27.504
AWNING BINDER (canvas goods, flags & banners).....	6-27.504
CLOTH JOINER, TENTS (canvas goods, flags & banners).....	6-27.504
GROMMET-MACHINE OPERATOR (canvas goods, flags & banners)....	8-27.41
GROMMET MAN (automobile manufacturing).....	9-02.01
ROPE SPLICER (any industry).....	7-80.061
SEWER, HAND (automobile manufacturing).....	6-27.078

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#### II Occupations requiring brief additional training in the use of tools and machines for manufacturing or servicing canvas or textile goods:

AWNING CUTTER (canvas goods, flags & banners; retail trade) .....	6-27.042
AWNING MAKER (canvas goods, flags & banners).....	6-27.811
BUTTONHOLE-MACHINE OPERATOR (any industry).....	6-27.562
CARPET SEWER (retail trade).....	6-25.420
CUTTER, HAND (canvas goods, flags & banners; felt goods; garments; hat & cap; knit goods; retail trade).....	6-27.042
EMBROIDERY-MACHINE OPERATOR (any industry).....	6-27.311
ZIG-ZAG-MACHINE OPERATOR (any industry).....	6-27.578

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#### III Occupations requiring considerable additional training in laying out, cutting and assembling of garments, leather or textile products:

CANVAS MAKER (garment).....	4-26.201
CLOTH EXAMINER, HAND (textile).....	6-19.552
CUT-OUT STITCHER (boot & shoe).....	4-61.214
CUTTER, HAND (leather manufacturing).....	4-59.032
NET MAKER (net & seine).....	4-19.752
ROPE MAKER (cordage & twine).....	4-19.731
SKIVER, HAND (boot & shoe).....	4-61.073
TAILOR (garment; retail trade).....	4-26.201

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### RELATED FIELDS OF WORK

Bench Work, Fabric, Leather and Related.....	4-X6.35
Bench Work, Fabric, Leather and Related.....	6-X4.35

## FARRIER (ARMY TRADE GROUPS C and B)

Shoes horses: removes old shoe using clinch cutter, nail puller and pincers; prepares horse's hoof for re-shoeing by removing old shoe and by paring and rasping hoof; determines size and weight of shoe required and re-shapes new shoe to fit hoof, by heating in forge and hammering to desired shape; cools shoe in water and nails it to hoof, trimming hoof even with shoe; hand forges shoes as required, fitting toe piece and caulking; makes farrier's tools such as tongs, pincers, etc.; treats horse's feet for minor diseases and accidents.

Must be able to convert fore shoes to hind, and vice versa.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

HEATER, FORGE (forging).....	6-88.732
HORSE SHOER (any industry).....	4-86.210
RIVET HEATER (construction; ship & boat building & repairing) .....	6-84.430
SPRING SALVAGE MAN (automobile manufacturing).....	6-93.664
WHEELWRIGHT (automotive services).....	7-83.881

#### II Occupations requiring brief additional training in methods of cutting, filing, heating or shaping metal:

BLACKSMITH (forging).....	4-86.010
CAR BUILDER (bituminous coal mining).....	4-86.010
DROP-HAMMER OPERATOR (forging).....	4-86.110
FORGING-PRESS OPERATOR (forging).....	4-86.125
FURNACE MAN (iron & steel).....	6-88.081
HAMMERSMITH (forging).....	4-86.120
HARDENER (heat treating).....	4-87.220
HEAT TREATER (machine shop).....	4-87.010

#### III Occupations requiring considerable additional training in methods of setting up and operating machine tools; or in use of welding equipment:

DIE MAKER (machine shop).....	4-76.010
MACHINIST (machine shop).....	5-75.010
PATTERNMAKER, METAL (foundry).....	5-17.010
SHEET-METAL WORKER (sheet metal work).....	4-80.010
TURRET-LATHE OPERATOR (machine shop).....	4-78.021
UNIVERSAL-GRINDER OPERATOR (machine shop).....	4-78.511
WELDER, COMBINATION (any industry).....	5-85.040

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### RELATED FIELDS OF WORK

Grinding and Tool Dressing (Including Hand Forging).....	4-X6.315
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## FIELD SECURITY PERSONNEL—CANADIAN INTELLIGENCE CORPS (NON-TRADE SPECIALIST)

By counter intelligence, protects Army from sabotage, espionage, propaganda, and other enemy activities designed to undermine war effort: assists in capture, interrogation and search of enemy agents; through local civil police, acts as liaison between Army and civilian population; instructs in Army security regulations and sees that they are enforced; operates, and makes minor repairs to motorcycle; reads and sketches maps, using simple geometric instruments. May be a linguist and may have intimate knowledge of foreign countries.

Must know enemy's Intelligence Organizations and methods. Must know his own, Allied, and enemy civil police organizations. Must know traffic control and canalization of large groups. Must possess initiative, judgment and tact, and must be able to carry out duties without direct supervision.

Will have held the rank of non-commissioned officer.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

COMPASS MAN (logging).....	0-64.50
FIRE LOOKOUT (governmental services).....	0-68.17
FISH AND GAME WARDEN (governmental services).....	0-94.94
INVESTIGATOR (I) (any industry).....	1-18.35
MAP CLERK (insurance).....	1-09.48
TRACER (I) (clerical & kindred).....	1-15.02
TRUANT OFFICER (education & instruction).....	0-94.53

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#### II Occupations requiring brief additional training in methods of crime and criminal investigation; or in duties and responsibilities of law enforcement officers:

DETECTIVE (I) (any industry).....	2-65.01
FOOD AND DRUG INSPECTOR (governmental services).....	0-95.11
GUARD LIEUTENANT (any industry).....	2-61.71
HOUSE OFFICER (hotel & restaurant).....	2-65.01
IMMIGRATION INSPECTOR (governmental services).....	0-95.91
POLICE SERGEANT, RADIO PATROL (governmental services).....	2-66.01
VICE-SQUAD LIEUTENANT (governmental services).....	2-66.12

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#### III Occupations requiring considerable additional training in methods of reporting news from foreign countries; or in translating foreign languages; or in techniques of map or topographical draughting:

DRAFTSMAN, MAP (professional & kindred).....	0-48.15
DRAFTSMAN, TOPOGRAPHICAL (professional & kindred).....	0-48.26
FOREIGN CORRESPONDENT (printing & publishing).....	0-06.71
FOREIGN-NEWS TRANSLATOR (radio broadcasting; telephone & telegraph).....	0-68.32
INTERPRETER (professional & kindred).....	0-68.31
TRANSLATOR (professional & kindred).....	0-68.32
TRANSLATOR, RADIO COMMUNICATION (telephone & telegraph)...	0-68.32

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### RELATED FIELDS OF WORK

Landscape Drafting and Surveying.....	0-X7.73
Literary Work.....	0-X3
Protective Service Work.....	0-X6.25

## FIRE FIGHTER (R.C.E.) (NON-TRADE SPECIALIST)

Operates and maintains fire-fighting equipment, rescues people and salvages goods during fire: maintains and services chemical extinguishers; operates and maintains centrifugal, rotary and forestry (portable) pumps and equipment; maintains and makes minor repairs to fire alarm telegraphs, fire equipment and fire-fighting vehicles; fights bush and forest fires; performs general duties in fire prevention by inspecting all areas. In addition, non-commissioned officer Fire Fighter keeps records, sets up regulations and instructs personnel in fire prevention methods.

Must have had thorough training in fire-fighting and fire prevention methods, including instruction in basic chemistry and hydraulics. Must know resuscitation and first-aid treatments.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training:

CAMP TENDER (petroleum & natural gas production).....	2-61.03
FIRE-DEPARTMENT PUMPMAN (petroleum refining).....	7-72.510
FIRE-EQUIPMENT MAN (petroleum refining).....	2-63.20
FIRE-EXTINGUISHER SERVICEMAN (any industry).....	7-83.985
FIRE-TRUCK DRIVER (petroleum & natural gas production).....	7-36.250
FIREMAN (III) (any industry).....	2-63.10
FIRST-AID ATTENDANT (any industry).....	2-33.10
PUMPMAN (I) (any industry).....	7-72.510

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#### II Occupations requiring brief additional training in methods of forest fire-fighting; or in blasting or demolition methods:

BLASTER (brick, tile, & nonclay refractories).....	7-74.010
BLASTER (logging).....	7-74.030
DISPATCHER (VI) (governmental services).....	0-68.15
FIRE ASSISTANT (governmental services).....	0-68.16
FIRE FIGHTER (governmental services).....	2-61.91
FIRE LOOKOUT (governmental services).....	0-68.17
FIRE PATROLMAN (governmental services).....	0-68.18
POWDERMAN (I) (bituminous coal mining; metal mining).....	7-74.320

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#### III Occupations requiring considerable additional training in fire prevention methods; or in rules governing precautions in mines; or in direct-fire-fighting operations:

COAL-MINE INSPECTOR (bituminous coal mining).....	0-79.11
FIRE BOSS (bituminous coal mining).....	5-76.410
FIRE CHIEF (any industry).....	2-63.20
FIRE INSPECTOR (any industry).....	2-63.15
METAL-MINE INSPECTOR (metal mining).....	0-79.12
SHOOTER (petroleum & natural gas production).....	5-74.030
SUPPRESSION-CREW FOREMAN (governmental services).....	0-68.23

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### RELATED FIELDS OF WORK

Engine and Pump Maintenance and Repairing.....	4-X2.102
Forest Preservation and Related.....	3-X9.94
Protective Service Work :.....	0-X6.25

## FIREMAN (LOCOMOTIVE) (ARMY TRADE GROUP C)

Fires and operates the boiler of a railroad locomotive on main line non-stopping trips: loads tender with coal from coal chute, and takes on water into tender cistern; stokes coal into firebox of locomotive with hand shovel or mechanical stoker; supplies boiler with water by operating valve which causes water to be injected under pressure into boiler.

Must be able to assist Engineer in observing fixed and shunting signals, and must be familiar with standard rules and regulations affecting Fireman's duties. Must be acquainted with principles of working one form of continuous automatic brake. Must be able to judge condition of fire by its colour to keep a steady heat, and must know correct height of water in boiler.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training:

FIREMAN, DONKEY (logging).....	7-70.070
FIREMAN, INDUSTRIAL LOCOMOTIVE (any industry).....	5-42.200
FIREMAN, LOCOMOTIVE (II) (railroad locomotive & car building & repairing; railroad transportation).....	5-42.100
FIREMAN, MARINE (water transportation).....	7-70.210
FIREMAN, PORTABLE BOILER (any industry).....	7-70.070
HOSTLER (ship & boat building & repairing).....	7-70.050

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#### II Occupations requiring considerable on-the-job training in locomotive operation, traffic regulations, supervision of crew, etc.:

ELECTRIC-LOCOMOTIVE OPERATOR (railroad transportation).....	5-41.040
ENGINEER (logging).....	5-73.330
HOSTLER, INSIDE (railroad transportation).....	5-41.020
HOSTLER, OUTSIDE (railroad transportation).....	5-41.030
INDUSTRIAL-LOCOMOTIVE OPERATOR (any industry).....	5-41.060
LOCOMOTIVE ENGINEER (railroad transportation).....	5-41.010
STEAM-DINKEY OPERATOR (any industry).....	7-40.070
STEAM-LOCOMOTIVE-CRANE OPERATOR (any industry).....	5-73.060

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### RELATED FIELDS OF WORK

Hauling Machine Operating.....	4-X2.492
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## FITTER (ARMY TRADE GROUPS C, B, and A)

Makes and fits new or reworked components of guns, power trains, gearing units, valves, and machine tools: follows simple sketches and blueprints to make parts from metal castings, forgings and stock, using fitter's hand and machine tools such as portable drills, buffers, grinders, and drill presses; files, scrapes, laps, and hones parts to close tolerances; marks position of holes to be drilled during assembly; checks dimensions of parts with micrometer, Vernier or feeler gauges; inspects finished assemblies; fits, overhauls and erects any prime mover and mechanism in his unit; may test self-propelled vehicles of the unit.

Must understand working properties of steel and nonferrous metals.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### **I Occupations requiring brief on-the-job training in methods of assembling and repairing mechanical devices; or in methods of lay-out used in particular shop:**

BENCH ASSEMBLER AND FITTER, MEDIUM HEAVY (agricultural equipment).....	4-75.120
BENCH REPAIRMAN (machine shop).....	4-75.120
FLASK MAKER, METAL (foundry).....	6-82.620
FLOOR ASSEMBLER (machine shop).....	6-78.632
MACHINE ADJUSTER (any industry).....	7-83.326
MACHINE FIXER (textile).....	5-83.324
MACHINE SCRAPER (machine tools & accessories).....	4-75.120
MACHINIST, BENCH; <i>Fitter</i> (machine shop).....	4-75.120

#### **II Occupations requiring brief additional training to learn the laying out of work and operation of machine tools; or in assembling fixtures or parts:**

CHANDELIER MAKER (lighting fixtures).....	4-94.101
DETAIL ASSEMBLER (aircraft manufacturing).....	5-03.540
FORM BUILDER (automobile manufacturing).....	5-17.060
INSPECTOR (machine shop).....	4-78.671
JOB SETTER (machine shop).....	4-75.160
MACHINIST (machine shop).....	4-75.010
PRECISION-LATHE OPERATOR (machine shop).....	4-78.011
TOOL-GRINDER OPERATOR (machine shop).....	5-84.110

#### **III Occupations requiring considerable additional training in tool and die making; or in the repair and maintenance of motors, engines and industrial equipment:**

AIRPLANE MECHANIC (air transportation).....	5-80.100
AUTOMOBILE MECHANIC (automotive services).....	5-81.010
DIE MAKER (jewelry).....	4-76.020
DIE MAKER (machine shop).....	4-76.010
KNITTER MECHANIC (knit goods).....	5-83.321
MAIN-BEARING BORER (automotive services).....	4-78.045
MAJOR-ASSEMBLY INSTALLER (aircraft manufacturing).....	5-03.572
MILLWRIGHT (any industry).....	5-78.100
TOOL MAKER (machine shop).....	4-76.210

### RELATED FIELDS OF WORK

All-Around Mechanical Repairing.....	4-X2.100
Mechanical or Metal Unit Assembling and Related (Including Instrument Repair).....	4-X6.310

## FITTER (GUN) (ARMY TRADE GROUPS C and B)

Lubricates and repairs guns and gun carriages under supervision: disassembles, overhauls and reassembles breech mechanisms, buffer and sights, recuperators, elevating, traversing and brake gears, pumps and hydraulic jacks; solders, drills out and refits broken studs; uses equipment including vises, hammers, wrenches, files, drills, chisels, brazing lamps, soldering irons, scribes, taps and dies, and precision instruments.

Must be able to recognize various metals. Must know how to read simple blueprints. Must be able to do simple arithmetic, using decimals and vulgar fractions. Must be able to execute work correctly to a tolerance of .004 inches.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training:

ARMORER (firearms & guns).....	5-83.541
ASSEMBLER (I) (firearms & guns).....	4-93.771
BRAZER (any industry).....	4-85.310
BURRER, HAND (machine shop).....	6-77.510
GAGER (machine shop).....	6-78.672
GREASER (automotive services).....	7-85.010
SOLDERER (any industry).....	6-95.001
VALVE ASSEMBLER (petroleum refining).....	7-83.973

#### II Occupations requiring brief additional training in industrial methods of assembly or installation of mechanical units; or in testing or finishing metal parts:

AUTOMOBILE-BODY-PARTS ASSEMBLER (automotive services)....	7-81.010
BRAKEMAN, AIR (railroad locomotive & car building & repairing).....	5-79.010
CHASSIS ASSEMBLER (radio manufacturing).....	6-98.010
FUEL-SYSTEM INSTALLER (aircraft manufacturing).....	5-03.572
GUNSMITH (any industry).....	5-83.542
LANDING-GEAR ASSEMBLER (aircraft manufacturing).....	5-03.554
LOCK ASSEMBLER (furniture).....	4-36.010
METAL FINISHER, HAND FILING (any industry).....	6-77.530
OPERATING-TABLE ASSEMBLER (furniture).....	4-36.220
TESTER (foundry; machine shop).....	6-78.671

#### III Occupations requiring considerable additional training to learn details of inspecting or repairing mechanized equipment of various kinds:

AUTOMOBILE MECHANIC (automotive services).....	5-81.010
CAR-TRUCK MECHANIC (railroad locomotive & car building & repair- ing).....	5-79.025
DIESEL MECHANIC (any industry).....	5-83.931
FLOOR INSPECTOR (firearms & guns).....	4-78.671
HARDNESS INSPECTOR (heat treating).....	6-87.910
MACHINE-PARTS INSPECTOR (agricultural equipment).....	4-94.343
MACHINIST (machine shop).....	4-75.010
MAGNAFLUX INSPECTOR (machine shop).....	4-78.674
MAINTENANCE MECHANIC (any industry).....	5-83.641
MILLWRIGHT (any industry).....	5-78.100
PUMP SERVICEMAN (any industry).....	5-83.641

### RELATED FIELDS OF WORK

All-Around Mechanical Repairing.....	4-X2.100
Mechanical Testing.....	4-X6.386
Miscellaneous Metal Working (Hand or Hand Tool).....	6-X4.319

## FITTER LOCOMOTIVE (DIESEL) (ARMY TRADE GROUPS C, B, and A)

Repairs, overhauls and maintains Diesel locomotives: visually inspects or uses testing devices to determine causes of faulty operation; disassembles, repairs, and adjusts ignition, brakes, clutches, differentials, gear boxes and transmissions, fuel injection systems and pumps; decarbonizes, grinds, and times valves; corrects faulty weight distribution by spring adjustment. Fitter Locomotive (Diesel) (Group A) supervises the complete overhaul of Diesel locomotives.

Must have a working knowledge of the principles of construction and operation of Diesel and steam locomotives and their components. Must understand methods of tire fixing and the use of tire gauges. Must be able to work to simple drawings. Fitter Locomotive (Diesel) (Group A) must be able to fit components, such as crankshaft and bearings, pistons and rings, connecting rods and camshafts, to the correct clearance and alignment.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

AUTOMOBILE MECHANIC, DIESEL ENGINE (automobile manufacturing; automotive services).....	5-81.650
BRAKEMAN, AIR (railroad locomotive & car building & repairing).....	5-79.010
DIESEL-ENGINE ERECTOR (engine & turbine).....	4-75.120
DIESEL MECHANIC (any industry).....	5-83.931
ENGINE REPAIRMAN; <i>Engine House Man</i> (railroad locomotive & car building & repairing).....	5-79.050

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#### II Occupations requiring brief additional training in the operation of equipment powered by Diesel motors; or in methods of assembling, testing, or repairing internal combustion engines other than Diesel:

AUTOMOBILE MECHANIC (automotive services).....	5-81.010
DIESEL-ENGINE OPERATOR, STATIONARY (any industry).....	5-72.210
ENGINE-INSTALLATION ASSEMBLER (aircraft manufacturing).....	5-03.572
ENGINEMAN (aircraft manufacturing).....	5-80.352
ENGINE TESTER (air transportation; aircraft manufacturing).....	5-80.350
MOTOR ANALYST (automotive services).....	5-81.620
TRACTOR MECHANIC (any industry).....	5-81.040

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#### III Occupations requiring considerable additional training in the operation and maintenance of a wide variety of engines and power equipment:

CONSTRUCTION-EQUIPMENT MECHANIC (construction).....	5-83.641
ENGINEER (fishing).....	0-88.25
ENGINEER; <i>Marine Engineer</i> (water transportation).....	0-88.24
MACHINIST, OUTSIDE (ship & boat building & repairing).....	4-75.150
MAINTENANCE ENGINEER (any industry).....	5-72.020
POWER-HOUSE ENGINEER (any industry).....	5-51.010
STATIONARY ENGINEER (any industry).....	5-72.010

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### RELATED FIELDS OF WORK

Mechanical Repairing and Related.....	4-X2.101
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## FITTER LOCOMOTIVE (STEAM) (ARMY TRADE GROUPS C, B, and A)

Carries out overhaul, maintenance and repairs on steam locomotives: tests engine parts for defects and replaces defective parts; repacks glands and makes steam joints; decarbonizes valves, pistons, steam chest and blast pipe; dismantles and reassembles big end of locomotive; tests and adjusts valves; cleans and replaces injector and ejector cones; inspects, tests, and repairs or replaces air, vacuum or steam brakes and brake operating equipment; tests and adjusts valve settings, safety valves, steam gauges, lubricators and lubricating systems; corrects faulty weight distribution by spring adjustment; fits new locomotive springs; examines and reassembles pistons, liners, rings and packings; checks cylinder clearances, lines up slide bars and adjusts crossheads; removes wheels and bed on axle boxes; inspects and adjusts locomotive tires. Fitter Locomotive (Group A) supervises the complete overhaul of steam locomotives and reports on their condition.

Must have working knowledge of principles of locomotive design and construction, and operation of various parts.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

AIR-VALVE REPAIRMAN (railroad locomotive & car building & repairing).....	5-79.510
AXLE ROLLER (railroad locomotive & car building & repairing).....	6-77.310
AXLE TURNER, FINISHING (railroad locomotive & car building & repairing).....	4-78.161
BRAKEMAN, AIR (railroad locomotive & car building & repairing).....	5-79.010
ENGINE REPAIRMAN (railroad locomotive & car building & repairing).....	5-79.050
WHEEL BORER (railroad locomotive & car building & repairing).....	6-78.214
WHEEL GAGER (railroad locomotive & car building & repairing).....	5-05.030

#### II Occupations requiring brief additional training to learn to set up and operate machine tools:

BARREL DRILLER (firearms & guns).....	6-78.216
ENGINE-LATHE OPERATOR (machine shop).....	4-78.011
GEAR-SHAPER OPERATOR (machine shop).....	4-78.134
JIG-BORING-MACHINE OPERATOR (machine shop).....	4-78.043
MILLING-MACHINE OPERATOR (machine shop).....	4-78.031
SPEED-LATHE OPERATOR (machine shop).....	4-78.012
TOOL-GRINDER OPERATOR (machine shop).....	5-84.110
WHEEL-LATHE OPERATOR (railroad locomotive & car building & repairing).....	6-78.166

#### III Occupations requiring considerable additional training in methods of installation, operation or repair of equipment other than locomotive:

LAY-OUT MAN (machine shop).....	4-75.145
MACHINIST, MAINTENANCE (any industry).....	4-75.010
MACHINIST, OUTSIDE (ship & boat building & repairing).....	4-75.150
MAINTENANCE MECHANIC (any industry).....	5-83.641
MASTER MECHANIC, MAINTENANCE (any industry).....	5-83.621
MILLWRIGHT (any industry).....	5-78.100
OPERATING ENGINEER (IV) (construction).....	5-23.910

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### RELATED FIELDS OF WORK

All-Around Mechanical Repairing.....	4-X2.100
Heavy Metal Structural Work.....	4-X6.211
Metal Lathe Work.....	4-X2.011
Miscellaneous Mechanical Repairing.....	4-X2.109

## FITTER (SIGNALS) (ARMY TRADE GROUPS C, B, and A)

Dismantles, repairs, overhauls and reassembles internal combustion engines; files, chips, taps, reams and fits metal parts accurately by hand, using gauges, micrometers and precision measuring tools; uses drills, taps and dies; does soft soldering and brazing; knots and lashes steel rope; joints wires and field cables; works from blueprints or written specifications, using charts and tables in connection with the planning of work; shapes metal parts to precise dimensions within prescribed tolerances; drives or operates and maintains motorcycles, I.C. engined vehicles, charging sets and cable layers; replaces worn or broken parts, grinds valves, adjusts brakes, tightens bolts, aligns wheels, and tunes motors; repairs and installs ignition systems, starters, coils, wiring and other electrical systems and equipment; adjusts distributor breaking point gaps, replaces defective parts on generators and distributors.

Must have knowledge of map reading and use of compass. Must have general knowledge of Army organization.

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### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

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#### I Occupations requiring brief on-the-job training:

AIRCRAFT MECHANIC (air transportation).....	5-80.120
AUTOMOBILE MECHANIC (automotive services).....	5-81.010
AUTOMOBILE-REPAIR SERVICEMAN (automotive services).....	5-81.910
AUTOMOTIVE-TEST-ENGINE MECHANIC (automotive services)....	5-81.050
CONSTRUCTION-EQUIPMENT MECHANIC (construction).....	5-83.641
FARM MECHANIC (agriculture).....	3-35.10
MOTOR ANALYST (automotive services).....	5-81.620
MOTORBOAT MECHANIC (any industry).....	5-83.643
MOTORCYCLE REPAIRMAN (automotive services).....	5-81.020
WHEEL-ALINEMENT MECHANIC (automotive services).....	5-81.210

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#### II Occupations requiring brief additional training in industrial methods of assembling or installing complex mechanical units; or to maintain and repair internal combustion engines; or to maintain various types of electrical equipment:

DETAIL ASSEMBLER (II) (aircraft manufacturing).....	5-03.540
LOCK ASSEMBLER (hardware).....	4-93.371
MACHINIST, AUTOMOBILE (automotive services).....	4-75.010
MACHINIST, BENCH (machine shop).....	4-75.120
MACHINIST, OUTSIDE (ship & boat building & repairing).....	4-75.150
MAINTENANCE MECHANIC (II) (any industry).....	5-83.641
POWER-HOUSE ENGINEER (any industry).....	5-51.010
REFRIGERATING ENGINEER; <i>Refrigeration Engineer, Stationary</i> (any industry).....	5-72.310
STATIONARY ENGINEER (any industry).....	5-72.010
TURRET-LATHE OPERATOR (machine shop).....	4-78.021

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#### III Occupations requiring considerable additional training in techniques of inspecting tools and mechanical parts; or in methods of setting up machine tools; or in setting up dies in machines:

BUSINESS-MACHINE INSPECTOR (office machines).....	4-94.411
DIE MAKER (machine shop).....	4-76.010
JOB SETTER (machine shop).....	4-75.160
LAY-OUT MAN (foundry).....	4-75.140
MACHINE-PARTS INSPECTOR (agricultural equipment).....	4-94.343
MOTOR AND CHASSIS INSPECTOR (automobile manufacturing).....	5-81.630
TOOL INSPECTOR (machine shop).....	4-76.220
TOOL MAKER (machine shop).....	4-76.210

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### RELATED FIELDS OF WORK

All-Around Metal Machining.....	4-X2.010
Combustion Engine Repairing.....	4-X2.103
Inspecting and Testing.....	4-X6.38

## FITTER (SPECIAL ENGINEERING EQUIPMENT) (ARMY TRADE GROUPS C, B, and A)

Refits internal combustion motors, repairs hydraulic equipment, lubricates and carries out running maintenance of heavy mechanical equipment: repairs and adjusts steering mechanisms, clutches, gear boxes, differentials, braking systems and track assemblies; uses timing light, valve grinder and valve seat grinder to time motors and adjust valves; makes necessary repairs to engines, replacing worn or broken parts; locates and corrects faults in common electrical circuits; uses bench grinder, track press, pneumatic tools, oxyacetylene equipment, and battery charging equipment; brazes, solders, and determines type of welding required for breaks in various metals.

In addition to above, Fitter (Special Engineering Equipment) (Group A) must be expert in the repair of oil, cooling, feed injection and lighting systems. Must be able to use precision tools, micrometers, gauges, etc. Must be able to supervise repair and maintenance of all mechanical and hydraulic equipment and power control units. Must be able to determine the causes of breakdown and estimate time and parts for repair.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

AUTOMOBILE-GENERATOR REPAIRMAN (automotive services).....	5-81.410
AUTOMOBILE MECHANIC (automotive services).....	5-81.010
BRAKE ADJUSTER (automobile manufacturing; automotive services)....	7-81.110
BRAKEMAN, AUTOMOBILE (automotive services).....	5-81.120
BRAZER (any industry).....	4-85.310
BULLDOZER OPERATOR (construction).....	7-23.030
CYLINDER-BLOCK REPAIRMAN (automobile manufacturing).....	7-81.620
ELECTRICIAN APPRENTICE (any industry).....	7-95.100
SOLDERER (any industry).....	6-95.001
TRACTOR MECHANIC (any industry).....	5-81.040
TRUCK MECHANIC (automotive services).....	5-81.030
WELDER, ACETYLENE (any industry).....	4-85.030

#### II Occupations requiring brief additional training to learn methods of wiring and repairing more complicated circuits and motors; or in techniques of operating a lathe; or in methods of repairing new types of motors or marine engines:

BRAKE-DRUM-LATHE OPERATOR (automotive services).....	5-81.110
ELECTRIC-MOTOR ASSEMBLER AND TESTER (any industry).....	5-83.432
ELECTRIC-MOTOR REPAIRMAN (any industry).....	5-83.433
ELECTRICIAN, AUTOMOTIVE (automotive services).....	5-81.420
MACHINIST, AUTOMOBILE (automotive services).....	4-75.010
MOTOR ANALYST (automotive services).....	5-81.620
MOTORBOAT MECHANIC (any industry).....	5-83.643
MOTORCYCLE REPAIRMAN (automotive services).....	5-81 020

#### III Occupations requiring considerable additional training to become proficient in the repair and operation of specialized machines; or in the supervision of workers; or in the techniques of inspection:

ALL-AROUND INSPECTOR (agricultural equipment).....	4-94.341
BUSINESS-MACHINE INSPECTOR (office machines).....	4-94.411
COMPRESSOR ENGINEER, CAISSON (construction).....	5-72.910
ELECTRIC-MOTOR ANALYST (any industry).....	5-83.431
ELECTRICIAN (any industry).....	4-97.010
ENGINEER, CHIEF, MARINE (water transportation).....	0-88.21
MACHINE-PARTS INSPECTOR (agricultural equipment).....	4-94.343
MAJOR-ASSEMBLY INSPECTOR (agricultural equipment).....	4-94.344
REFRIGERATING ENGINEER; <i>Refrigeration Engineer, Stationary</i> (any industry).....	5-72.310

### RELATED FIELDS OF WORK

All-Around Mechanical Repairing.....	4-X2.100
Combustion Engine Repairing.....	4-X2.103
Mechanical Engineering and Related.....	0-X7.44



## FITTER (TRACTOR) (FORESTRY) (ARMY TRADE GROUP C)

Drives and makes running repairs to any vehicle in the corps: lubricates vehicles; operates battery charging units; using fitter's hand tools, adjusts brakes, clutches, tracks, front wheel bearings, valves and steering mechanisms; brazes and solders; performs minor repairs, using breast drill, tap and dies, reamers, bench grinder and track press.

Must know the principles of internal combustion engines. Should know the "Task" system for maintaining vehicles and power units.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

AUTOMOBILE-ACCESSORIES INSTALLER (automotive services).....	7-83.981
AUTOMOBILE-MECHANIC HELPER (automotive services).....	7-81.010
AUTOMOBILE-SERVICE-STATION ATTENDANT (automotive services).....	7-60.500
DUMP-TRUCK DRIVER (any industry).....	7-36.220
HEAVY REPAIRMAN (automobile manufacturing).....	7-81.640
SHOCK-ABSORBER REPAIRMAN (automobile manufacturing).....	7-81.660
TRACTOR DRIVER (any industry).....	7-36.510
TRUCK DRIVER, HEAVY (any industry).....	7-36.250
TRUCK DRIVER, LIGHT (any industry).....	7-36.260
TRAILER-TRUCK DRIVER (any industry).....	7-36.240

#### II Occupations requiring brief additional training in particular type of driving required; or in specific tools and machines used in automobile manufacturing:

AIR-COMPRESSOR MECHANIC (any industry).....	7-79.010
BATTERYMAN (any industry).....	5-89.411
BRAKE ADJUSTER (automobile manufacturing).....	7-81.110
BUS DRIVER (motor vehicle transportation).....	5-36.010
CHAUFFEUR (any industry).....	7-36.010
GEAR CHANGER (automobile manufacturing).....	7-81.640
ROUTEMAN; <i>Driver Salesman</i> (any industry).....	7-35.110
TAXI DRIVER (motor vehicle transportation).....	7-36.040

#### III Occupations requiring considerable additional training to learn to operate cranes, power shovels or other equipment powered by gasoline, Diesel or electric motors:

CATERPILLAR-CRANE OPERATOR (any industry).....	5-73.050
CONCRETE-MIXER OPERATOR (construction).....	5-23.330
DERRICK-BOAT OPERATOR (any industry).....	5-73.750
DRAGLINE OPERATOR (any industry).....	5-73.320
ELECTRIC-GANTRY-CRANE OPERATOR (any industry).....	5-73.040
HOT-METAL-CRANE OPERATOR (foundry).....	5-73.030
LOCOMOTIVE-CRANE OPERATOR (any industry).....	5-73.060
PILE-DRIVER OPERATOR (construction).....	5-23.610
POWER-SHOVEL OPERATOR (construction).....	5-73.210
TOWER-EXCAVATOR OPERATOR (construction).....	5-23.020
TRENCH-DIGGING-MACHINE OPERATOR (construction).....	5-23.030

### RELATED FIELDS OF WORK

Combustion Engine Repairing.....	4-X2.103
Hauling Machine Operating.....	4-X2.492
Hoisting Machine Operating.....	4-X2.493

## FITTER (TRACTOR) (FORESTRY) (ARMY TRADE GROUPS B and A)

In addition to duties of Fitter (Tractor) (Forestry) (Group C), operates, adjusts and maintains gas and Diesel tractors and associated units: overhauls and adjusts motors, making replacements where necessary, using fitter's hand tools; locates and corrects faults common in electric circuits; brazes, solders and welds cracked cylinder blocks or similar iron or aluminum castings; uses engine test board in locating engine trouble; relines brakes; charges, maintains and repairs batteries; grinds and resurfaces valves; repairs and adjusts track rollers, sprockets and idlers; overhauls and repairs magnetos, starters and generators. The Fitter (Tractor) (Forestry) (Group A) supervises all operations.

Must understand the construction and operation of vehicles and power units on charge to his corps.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

AUTOMOBILE MECHANIC (automotive services).....	5-81.010
AUTOMOBILE MECHANIC, DIESEL ENGINE (automobile manufac- turing; automotive services).....	5-81.650
CONSTRUCTION-EQUIPMENT MECHANIC (any industry).....	5-83.641
DIESEL MECHANIC (any industry).....	5-83.931
MOTOR ANALYST (automotive services).....	5-81.620
TRACTOR MECHANIC (any industry).....	5-81.040
TRUCK MECHANIC (any industry).....	5-81.030

#### II Occupations requiring brief additional training in the operation and re- pair of engines in various types of equipment:

AIRCRAFT-ENGINE MECHANIC (air transportation).....	5-80.130
AIRCRAFT MECHANIC (air transportation).....	5-80.120
AUTOMOBILE-SPRING REPAIRER (automotive services).....	4-86.030
BUS MECHANIC (automotive services).....	5-81.035
ELECTRICIAN, AUTOMOTIVE (automotive services).....	5-81.420
MOTORBOAT MECHANIC (any industry).....	5-83.643
MOTORCYCLE REPAIRMAN (automotive services).....	5-81.020
PROPULSION-MOTOR-AND-GENERATOR REPAIRMAN (automotive services).....	5-81.430

#### III Occupations requiring considerable additional training in the installa- tion, operation and maintenance of various types of mechanical equip- ment:

HOISTING ENGINEER (any industry).....	5-73.520
MACHINIST, MARINE GAS-ENGINE (ship & boat building & repair- ing).....	5-83.642
MACHINIST, OUTSIDE (ship & boat building & repairing).....	4-75.150
MAINTENANCE ENGINEER (any industry).....	5-72.020
MAINTENANCE MECHANIC (any industry).....	5-83.641
REFRIGERATION MECHANIC (any industry).....	5-83.941

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### RELATED FIELDS OF WORK

Combustion Engine Repairing.....	4-X2.103
Engine and Pump Maintenance.....	4-X2.102

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For additional information see FITTER (TRACTOR) (FORESTRY) (ARMY TRADE GROUP C).

## FOREMAN, DEPARTMENTAL (ARMY TRADE GROUPS C and B)

Performs various clerical and stock handling duties in connection with receipt, storage, issue and shipping of ordnance stores: checks incoming and outgoing supplies with vouchers, requisitions and bills of lading; stores materials in storage bins, racks and compartments, arranging material in such manner as will facilitate taking of inventories and provide protection against dampness and deterioration; receives and fills requisitions for supplies; packs and stencils stores for shipment; maintains records of amount, kind and value of supplies and equipment received and issued, and balance on hand; prepares issue and expense vouchers; takes inventory of supplies and equipment on hand; estimates and orders stores required for future use. Foreman, Departmental (Group B) instructs and supervises storehouse personnel in their duties.

Must be qualified as a Storeman. Must be familiar with fire precautions and the care and operation of fire extinguishers. Must have thorough knowledge of Army regulations governing accountability, adjustment of deficiencies, and supply procedures.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

INVENTORY CLERK (clerical & kindred).....	1-01.41
MANAGER, STOCKROOM (clerical & kindred).....	1-38.50
MANAGER, WAREHOUSE; <i>Storekeeper</i> (any industry).....	0-99.92
MATERIAL CLERK (clerical & kindred).....	1-01.42
STOCK-CONTROL CLERK (clerical & kindred).....	1-38.04
STOCK FOREMAN (clerical & kindred).....	1-38.01
STOCK SUPERVISOR (retail trade).....	5-97.620

#### II Occupations requiring brief additional training in methods of inspecting and verifying merchandise; or in clerical tasks involving bookkeeping or accounting methods:

ACCOUNTANT, STOREHOUSE (professional & kindred).....	0-01.10
BOOKKEEPER (II) (clerical & kindred).....	1-01.02
CUSTOMS VERIFIER (governmental services).....	0-95.04
EXPEDITER (clerical & kindred).....	1-34.02
MERCHANDISE EXAMINER (governmental services).....	0-95.05
SUPERCARGO (water transportation).....	1-44.25
TOOL-CLERK FOREMAN (clerical & kindred).....	1-38.05

#### III Occupations requiring considerable additional training in methods of retail merchandising; or in supervision of office staff; or to learn specifications, costs and regulations regarding material to be purchased:

BUYER (retail trade; wholesale trade).....	0-74.11
CHIEF CLERK (any industry).....	0-97.13
COMMISSARY MAN (any industry).....	0-72.55
MANAGER, FLOOR (retail trade).....	0-75.10
MANAGER, MERCHANDISE (retail trade).....	0-74.21
MATERIAL PLANNER; <i>Material Estimator</i> (aircraft manufacturing).....	1-19.05
PURCHASING AGENT (any industry).....	0-91.60

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### RELATED FIELDS OF WORK

Equipment and Material Checking.....	1-X2.8
General Public Contact Work.....	1-X5.0
Managerial Work (Clerical, Administrative, Fiscal, Sales).....	0-X8.10



## FOREMAN (FORE AND AFT) (ARMY TRADE GROUP C)

Supervises Side-Runners, Winchmen and Hatch Tenders in addition to one or more gangs of longshoremen; maintains discipline; allocates duties to longshoremen; supervises operations of handling cargo and proper layout and installation of loading and unloading equipment; supervises hoisting and storing of cargo into ship's hold; examines winch, gears, hold, hoisting equipment and protective appliances for defects; checks working conditions for proper lighting, drinking water, first-aid facilities, clear passageways and other safety precautions. Must have acquired, by practical experience, full knowledge of duties of Side-Runner, Winchman and Hatch Tender.

Must have knowledge of the Regulations of the Safety Code Governing Port Companies of the Canadian Army.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

CHAIN INSPECTOR (railroad locomotive & car building & repairing)....	5-76.040
FOREMAN (water transportation).....	5-95.060
LOADER, FIRST; <i>Head Loader</i> (logging).....	5-91.401
SHIP-RIGGER FOREMAN (ship & boat building & repairing).....	5-05.570
STEVEDORE (IV) (water transportation).....	7-47.100
STORAGE FOREMAN (ice).....	5-91.094
SUPERINTENDENT, STEVEDORING (water transportation).....	0-98.97
WAREHOUSE FOREMAN (I) (canning & preserving).....	5-91.021
WHARF TENDER, HEAD (petroleum refining).....	5-91.901

#### II Occupations requiring brief additional training in techniques of rigging for a specific purpose such as power skidding; or in methods of moving heavy loads in mines and industrial freight yards:

BARGE CAPTAIN (water transportation).....	5-49.102
ENGINEER, HEAD (logging).....	5-91.401
HAULAGE BOSS (bituminous coal mining).....	5-93.210
HOUSE MOVER (construction).....	5-32.671
PILE-DRIVING FOREMAN (construction).....	5-94.160
RIGGER, HEAD (II) (logging).....	5-91.401
RIGGING FOREMAN (construction).....	5-94.160
ROPE DRIVER (bituminous coal mining).....	5-93.210
WOODS BOSS (wood distillation & charcoal).....	5-91.851
YARDMASTER (I) (any industry).....	5-99.010

#### III Occupations requiring considerable additional training in the construction of bridges, highways and tunnels, and building maintenance; or in the enforcement of government regulations pertaining to the health and safety of employees:

HIGHWAY FOREMAN (construction).....	5-94.080
MAINTENANCE MAN, BUILDING (any industry).....	5-83.611
SAFETY ENGINEER (II) (professional & kindred).....	0-18.01
SAFETY INSPECTOR (II) (governmental services).....	0-95.93
SUPERINTENDENT, TERMINAL (water transportation).....	0-98.84
TUNNEL-HEADING FOREMAN (construction).....	5-94.180
WIRE-SPINNING FOREMAN (construction).....	5-94.020
YARDMAN (retail trade).....	5-97.610

### RELATED FIELDS OF WORK

Managerial Work, Construction, Mining and Related.....	0-X8.42
Managerial Work, Transportation and Miscellaneous Services.....	0-X8.49

## FOREMAN OF SIGNALS (ARMY TRADE GROUP A)

Supervises maintenance and repair of signal equipment and unarmoured vehicles; instructs and lays out work for Electricians, Fitters and Instrument Mechanics in first echelon maintenance and repairs; supervises the inspection of incoming equipment to determine nature and extent of repairs required; performs more difficult or unusual repairs; supervises the maintenance of shop records and requisitioning of materials, supplies and tools.

Must be of very good character and thoroughly trustworthy, tactful and intelligent. Must have administrative ability. Must have a good knowledge of electrical theory, arithmetic, algebra, trigonometry, graphs and logarithms. Must have a 1st Class Army Certificate of Education or its equivalent and have qualified as Group A in a Royal Canadian Signals trade.

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### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

#### I Occupations not requiring additional training:

ELECTRICAL REPAIRMAN (any industry).....	4-97.420
ELECTRICIAN, CHIEF (any industry).....	4-97.420
ELECTRICIAN, CHIEF (motion picture).....	4-97.150
ELECTRICIAN, FOREMAN (construction).....	4-97.010
INSTRUMENT INSPECTOR (aircraft manufacturing).....	5-83.973
INSTRUMENT MAKER (electrical equipment).....	5-00.912
INSTRUMENT MAN; <i>Instrument Inspector</i> (air transportation; aircraft manufacturing).....	5-83.972

#### II Occupations requiring brief additional training to learn the details of his trade in a specific industry:

ELECTRIC-MOTOR ANALYST (any industry).....	5-83.431
ELECTRICAL INSPECTOR (aircraft manufacturing).....	4-97.930
ELECTRICIAN, MACHINE SHOP (machine shop).....	4-97.410
ELECTRICIAN, POWER-HOUSE (light, heat, & power).....	4-97.510
ELECTRICIAN, SHIP (ship & boat building & repairing).....	4-97.210
ELECTRICIAN, YARD (ship & boat building & repairing).....	4-97.230

#### III Occupations requiring considerable additional training in techniques of electrical or radio engineering:

APPRAISAL ENGINEER (telephone & telegraph).....	0-17.01
AUTOMOTIVE ENGINEER (automobile manufacturing).....	0-19.01
DESIGN ENGINEER, ELECTRICAL (professional & kindred).....	0-17.01
ELECTRICAL ENGINEER (professional & kindred).....	0-17.01
ELECTRICAL-RESEARCH ENGINEER (professional & kindred).....	0-17.01
INDUSTRIAL ENGINEER (professional & kindred).....	0-18.01
LIGHTING EXPERT (light, heat, & power).....	0-17.01
LINE-CONSTRUCTION ENGINEER (telephone & telegraph).....	0-17.01
PLANT ENGINEER (professional & kindred).....	0-19.01
POWER-PLANT ENGINEER (professional & kindred).....	0-17.01
RADIO ENGINEER (professional & kindred).....	0-17.01
SUPERINTENDENT, MECHANICAL (professional & kindred).....	0-19.01

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### RELATED FIELDS OF WORK

Electrical Unit Assembling (Including Instrument Repair).....	4-X6.308
Electrical Equipment Repairing.....	4-X6.183
Engineering and Related.....	0-X7.4

## FOREMAN OF WORKS (BUSH) FORESTRY (ARMY TRADE GROUPS C, B, and A)

Plans, directs and supervises felling, bucking, assembly, loading, and transport of logs; plans, directs, and supervises construction of roads, bridges, culverts, camps, chutes, dams, side piers, booms, rafts and similar woods and river improvements; directs driving (water) operations; surveys and estimates standing timber; supervises use of all woodsmen's tools, such as saws, peavies, cant hooks and winch lines, and equipment such as crawler tractors, logging sulkies, donkeys, skidders, loaders, blocks and carriages.

Must understand logging operations. Must be a qualified scaler.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BARK SCALER (logging).....	6-29.030
BLAZER (logging).....	4-30.010
CLEARING FOREMAN (construction).....	5-94.120
CRUISER (logging).....	0-68.14
DONKEY ENGINEER (logging).....	5-73.330
DRIVER, HEAD (logging).....	4-30.310
LOG SCALER (logging).....	6-29.010
SUPERINTENDENT, LOGGING (logging).....	0-97.51
WALKING BOSS (logging).....	5-91.401

#### II Occupations requiring brief training to become familiar with duties required in the supervision of workers engaged in building, highway, bridge, river and harbour, sewer, or pipeline construction:

BANK BOSS (construction).....	5-94.160
BRIDGE FOREMAN (construction).....	5-94.020
BUILDING FOREMAN (construction).....	5-94.040
COFFERDAM-CONSTRUCTION FOREMAN (construction).....	5-94.160
DUMPING FOREMAN (construction).....	5-94.080
GRADING FOREMAN (construction).....	5-94.080
HIGHWAY FOREMAN (construction).....	5-94.080
PIPE-LINE FOREMAN (construction).....	5-94.120
RIPRAP FOREMAN (construction).....	5-94.160
SUPERINTENDENT, CONSTRUCTION (construction).....	0-99.11

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### RELATED FIELDS OF WORK

Forestry and Logging Supervision and Related.....	0-X8.39
Logging and Related Forest Products Work.....	3-X9.96



## FOREMAN OF WORKS (MILL) FORESTRY (ARMY TRADE GROUPS C, B, and A)

Supervises sawmill operations; plans and directs erection of sawmill; supervises installation and maintenance of equipment; lays out and supervises lumber yard and piling of stock; directs and supervises shipments of any order; supervises the grading and tallying of lumber.

Must have a good knowledge of and be able to identify the different varieties of timber common to the locality of operation. Must know the uses of the different species and the most satisfactory sizes and lengths into which these logs should be sawn for a given order. Must be capable of handling men and efficiently directing the manufacture of lumber from the log to the finished product.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

DIMENSION CUTTER (sawmill).....	4-29.010
FOREMAN (planing mill).....	5-91.421
FOREMAN (sawmill).....	5-91.411
FOREMAN (veneer & plywood).....	5-91.412
GRADER (woodworking).....	4-29.510
LOG SCALER (sawmill).....	6-29.010

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#### II Occupations requiring brief additional training in the supervision of workers engaged in gathering forest products:

BLAZER (logging).....	4-30.010
BOOM MASTER; <i>Raft Superintendent</i> (logging).....	5-91.401
CHOPPER, HEAD (logging).....	5-91.401
RIVER BOSS (logging).....	5-91.401
WOODS BOSS (wood distillation & charcoal).....	5-91.851
WOODS RIDER (turpentine & rosin).....	5-91.852
WOODSMAN (logging).....	5-91.401

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#### III Occupations requiring considerable additional training in methods of setting up and installing heavy machinery and equipment different from that found in sawmills:

ELEVATOR INSTALLER, ELECTRIC ELEVATOR (construction).....	5-83.351
MACHINE-SET-UP MAN (any industry).....	5-83.311
MAINTENANCE MAN, FACTORY OR MILL (any industry).....	5-83.621
MAINTENANCE MECHANIC (any industry).....	5-83.641
MASTER MECHANIC, MAINTENANCE (any industry).....	5-83.621
MILLWRIGHT (any industry).....	5-78.100
OIL-BURNER-INSTALLATION-AND-SERVICE MAN (any industry).....	5-83.024
ORDNANCEMAN (governmental services).....	4-52.481
RIGGER (motor vehicle transportation).....	5-95.020

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### RELATED FIELDS OF WORK

Forestry and Logging Supervision and Related.....	0-X8.39
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## FOREMAN OF WORKS (R.C.E.) (ARMY TRADE GROUPS C, B, and A)

Supervises construction and repair of buildings, roads, bridges, drainage systems, airports and waterworks: makes chain survey to obtain accurate levels of plot to be used for construction purposes; interprets plans and specifications and makes working drawings from same; prepares estimates and takes off bills of materials; lays out tasks and supervises work done by working parties, such as construction and erection of concrete forms; keeps necessary records applicable to the work.

Must be qualified Pioneer R.C.E., with initiative and ability to improvise. Must have good knowledge of heating and drainage systems, water supply, concrete work and simple frame construction. Must have knowledge of materials to be used and knowledge of all trades in this branch of service. Must have general knowledge of cost and payroll procedure and stores accounting.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BRIDGE FOREMAN (construction).....	5-94.020
BUILDING FOREMAN (construction).....	5-94.040
BUILDING-WRECKING FOREMAN (construction).....	5-94.060
CLEARING FOREMAN (construction).....	5-94.020
HIGHWAY FOREMAN (construction).....	5-94.080
PIPE-LINE FOREMAN (construction).....	5-94.120
RAILROAD FOREMAN (construction).....	5-94.140
SEWER AND WATERWORKS FOREMAN (construction).....	5-94.180

#### II Occupations requiring brief additional training in supervision of workers in sawmills, logging or coal mining; or in methods of inspecting railroad bridges or agricultural equipment:

BRIDGE INSPECTOR (railroad transportation).....	5-76.015
CATERPILLAR BOSS (logging).....	5-91.401
FOREMAN (sawmill).....	5-91.411
INSPECTOR AND TESTER (agricultural equipment).....	4-94.341
OUTSIDE FOREMAN (bituminous coal mining).....	5-93.210
STRUCTURAL-STEEL-ERECTOR FOREMAN (construction).....	4-84.010
WALKING BOSS (logging).....	5-91.401
YARDMASTER (any industry).....	5-99.010

#### III Occupations requiring considerable additional training in techniques of land surveying or engineering; or in methods of inspecting buildings and other structures; or in methods of departmental co-ordination and supervision:

BUILDING-CONSTRUCTION ENGINEER (construction).....	0-16.01
BUILDING INSPECTOR (insurance).....	0-79.02
CONSTRUCTION INSPECTOR (construction).....	0-79.01
MAINTENANCE-CONSTRUCTION ENGINEER (professional & kindred).....	0-16.01
RIGHT-OF-WAY ENGINEER (light, heat, & power; telephone & telegraph).....	0-16.01
SAFETY ENGINEER (bituminous coal mining; metal mining).....	0-18.03
SUPERINTENDENT, CONSTRUCTION (construction).....	0-99.11
SUPERINTENDENT, PIER (water transportation).....	0-93.93
SURVEYOR (professional & kindred).....	0-64.10

### RELATED FIELDS OF WORK

Logging and Related Forest Products Work.....	3-X9.96
Managerial Work, Construction, Mining, and Related.....	0-X8.42

**GRINDER (PRECISION) (ARMY TRADE GROUPS C and B)**

Grinds and sharpens cutting tools to precision tolerances and does flat or circular grinding on metal parts; follows blueprints and sketches in plane grinding, cylindrical grinding (both inside and outside), and taper grinding, using universal grinding crankshaft grinder, cylinder grinder and lathe or shaper grinding attachments; selects grinding mediums and cutting compounds suitable to the job, using knowledge of metals and their machinability; mounts and trues grinding wheels; clamps part in vise, fixture or magnetic chuck; operates grinder, applying coolant for wet grinding; measures accuracy of work with precision instruments; dresses grinding wheel face; produces finishes by lapping, burnishing or polishing; heat treats metals by annealing, hardening or tempering.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>		
CYLINDRICAL-GRINDER OPERATOR (machine shop).....	4-78.511	
DRILL SHARPENER (machine shop).....	5-84.110	
INTERNAL-GRINDER OPERATOR (machine shop).....	4-78.512	
PLANNER OPERATOR (machine shop).....	4-78.071	
PRECISION-LATHE OPERATOR (machine shop).....	4-78.011	
SHAPER OPERATOR (machine shop).....	4-78.061	
SURFACE-GRINDER OPERATOR (machine shop).....	4-78.513	
UNIVERSAL-GRINDER OPERATOR (machine shop).....	4-78.511	
<b>II Occupations requiring brief training to learn methods of grinding materials other than metal (e.g. glass, stone); or to grind tools used in woodworking:</b>		
BARBER-TOOL SHARPENER (any industry).....	5-84.120	
EDGE-GRINDER, AUTOMATIC (optical goods).....	5-08.040	
EDGE-GRINDER OPERATOR (firearms & guns).....	4-78.525	
KNIFE GRINDER (woodworking).....	5-84.130	
PRECISION-LENS GRINDER (optical goods).....	5-08.071	
SAW FILER, MACHINE (any industry).....	7-84.240	
TOOL GRINDER (any industry).....	5-84.120	
TOOL GRINDER (marble, granite, slate, & other stoneworking).....	5-84.140	
<b>III Occupations requiring additional training in making specific types of products with unfamiliar machines:</b>		
DIE MAKER (machine shop).....	4-76.010	
DIE SETTER (forging).....	4-76.120	
MACHINIST (machine shop).....	4-75.010	
MACHINIST, BENCH (machine shop).....	4-75.120	
MILLING-MACHINE OPERATOR (machine shop).....	4-78.031	
TOOL-AND-DIE MAKER (machine shop).....	4-76.040	
TOOL MAKER (machine shop).....	4-76.210	
<b>RELATED FIELDS OF WORK</b>		
Grinding and Tool Dressing.....	4-X6.315	
Metal Machining.....	4-X2.01	
Metal Precision Grinding.....	4-X2.015	



## GUNNER OPERATOR (ARMY TRADE GROUP C)

Maintains wireless communications and operates guns; aims and fires weapons with which vehicle is equipped including cannon, machine gun, and bomb thrower; manipulates indirect fire instruments; strips, cleans, assembles, mounts, and adjusts weapons; transmits and receives communications by radio-telegraph; makes minor repairs to radio equipment; maintains and charges batteries.

Must be proficient in use of map reference code. Must be qualified Gunner A.F.V.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

**I Occupations requiring brief on-the-job training in repairing, installing and operating different types of radios; or in testing, inspecting and servicing electrical equipment and firearms:**

AERIAL-INSTALLATION MAN (any industry).....	7-83.411
BATTERYMAN (any industry).....	5-89.411
ELECTRICIAN APPRENTICE (any industry).....	7-95.100
FINAL INSPECTOR (firearms & guns).....	6-93.771
LOUDSPEAKER TEST-MAN (radio manufacturing).....	6-98.130
RADIO-MESSAGE ROUTER (telephone & telegraph).....	1-49.00
RADIO-OPERATOR APPRENTICE (water transportation).....	0-69.47
RADIO-REPAIRMAN HELPER (any industry).....	7-83.447

**II Occupations requiring brief additional training in servicing and repairing home appliances, radios and other related equipment:**

ASSEMBLER (I) (firearms & guns).....	4-93.771
CARBURETOR MAN (automotive services).....	7-81.610
ELECTRIC-RANGE SERVICEMAN (any industry).....	7-83.012
LIGHT REPAIRMAN (automobile manufacturing).....	7-81.650
PROOF INSPECTOR (firearms & guns).....	6-93.778
PUBLIC-ADDRESS SERVICEMAN (any industry).....	5-83.415
RADIO REPAIRMAN (II) (radio manufacturing).....	6-98.210
RADIO-TRANSMITTER ASSEMBLER (radio manufacturing).....	6-98.310
TICKERMAN (telephone & telegraph).....	7-53.040
WASHING-MACHINE SERVICEMAN (any industry).....	7-83.011

**III Occupations requiring considerable additional training in operating commercial radio equipment; or in using specialized tools and equipment in repairing and manufacturing of radios and firearms:**

ARMAMENT MACHINIST (firearms & guns).....	4-75.010
ARMORER (firearms & guns).....	5-83.541
ELECTRICIAN (any industry).....	4-97.010
GUNSMITH (any industry).....	5-83.542
ORDNANCEMAN (governmental services).....	4-52.481
RADIO-CHASSIS ALINER (radio manufacturing).....	4-98.040
RADIO DISPATCHER (governmental services).....	0-61.20
RADIO OPERATOR (governmental services; radio broadcasting; water transportation).....	0-61.30
RADIO REPAIRMAN (I) (any industry).....	5-83.411
TROUBLE SHOOTER (radio manufacturing).....	5-83.413

### RELATED FIELDS OF WORK

Electrical Repairing.....	4-X6.183
Radio Repairing and Related.....	4-X6.185

## HATCH TENDER (ARMY TRADE GROUP C)

Supervises loading and unloading of cargo from ships; rigs and inspects booms, slings and other deck gear; uses slings, pallets, hooks, ropes and other gear to lift draft into or out of hold; directs winchman by hand signals in hoisting and lowering platforms, nets and slings loaded with cargo from deck or hold; inspects gear and equipment; maintains safety precautions; checks proper slinging; supervises proper stowage of deck gear and hatch covers; supervises group of deck stevedores in handling cargo.

Must know knots, splices, rigging, and correct methods of stowing various types of cargo. Must have thorough knowledge of Regulations of Safety Code Governing Port Companies of Canadian Army, as applicable to Hatch Tenders.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

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#### I Occupations not requiring additional training:

DECKMAN (water transportation).....	9-47.20
HEADER (water transportation).....	9-47.10
LONGSHOREMAN (water transportation).....	9-47.10
STEVEDORE (water transportation).....	7-47.100

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#### II Occupations requiring brief additional training in the operation of power-driven hoists, winches, etc.:

CUPOLA HOISTMAN (foundry).....	7-73.510
HOISTMAN (I) (bituminous coal mining; metal mining; nonmetal mining)	5-73.510
LOCK-TENDER HELPER (construction).....	7-32.374
PUFFER MAN (bituminous coal mining).....	7-73.520
SKIP OPERATOR (iron & steel).....	5-73.550
SUPERCARGO (water transportation).....	1-44.25
WINCHMAN, CARGO (water transportation).....	7-73.730
WINCHMAN, DREDGE (metal mining).....	7-73.720
WINCHMAN, STEAM (wood preserving).....	7-73.710

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#### III Occupations requiring considerable additional training in organizing and directing the loading and unloading of ships; or in supervising the operation of a warehouse or ammunition depot:

FLOAT MASTER (water transportation).....	0-98.82
RECEIVING-AND-SHIPING FOREMAN (any industry).....	5-99.070
SUPERINTENDENT, DOCK OPERATION (water transportation).....	0-98.97
SUPERINTENDENT, MAGAZINE AREA (ammunition & related products).....	0-99.91
SUPERINTENDENT, PIER (water transportation).....	0-98.93
SUPERINTENDENT, STEVEDORING (water transportation).....	0-98.97

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### RELATED FIELDS OF WORK

Hoisting Machine Operating.....	6-X2.493
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## HELIO WORKER AND LITHO PROVER (ARMY TRADE GROUPS C, B, and A)

Prepares zinc plates from photo negatives for lithographic printing; mixes gum reversal and helio solutions; carries out exposure, development, inking, graining, rolling up, and retouching on plates; operates proving and duplicator presses; proves work done in several colours prior to mass printing; makes ozalid and blue-prints. May prepare non-printing offsets. May transfer copy from one plate to another.

Must understand maintenance of Litho equipment. Should have a good working knowledge of lithographic reproduction processes. Must be able to match colours by mixing inks.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BLUEPRINTING-MACHINE OPERATOR (I) (any industry).....	7-86.330
DUPLICATING-MACHINE OPERATOR (II) (clerical & kindred).....	1-25.23
PHOTOENGRAVER APPRENTICE (printing & publishing).....	7-98.120
PHOTOLITH OPERATOR (any industry).....	7-86.350
PLATE GRAINER (printing & publishing).....	6-49.950
PROOF-PRESS MAN (printing & publishing).....	6-49.510
TRANSFERER (III) (printing & publishing).....	4-46.400

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#### II Occupations requiring brief additional training to become familiar with methods of developing and printing ordinary or sound film; or in retouching and finishing photographs:

BEN-DAY ARTIST (printing & publishing).....	0-44.01
CHEMICAL MIXER (motion picture).....	5-86.010
DARKROOM MAN (any industry).....	5-86.510
DEVELOPER (any industry).....	5-86.512
PHOTOGRAPH FINISHER (any industry).....	5-86.530
PHOTOGRAPH RETOUCHER (any industry).....	5-86.540
PHOTOGRAPHIC SENSITOMETRIST (motion picture).....	0-66.18

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#### III Occupations requiring considerable additional training in operation of presses to print designs on cloth, paper or other material:

BLOCK PRINTER (textile).....	4-19.873
COPPERPLATE PRINTER (printing & publishing).....	4-48.080
CYLINDER-PRESS MAN (printing & publishing).....	4-48.010
EMBOSSING-PRESS OPERATOR (printing & publishing).....	4-48.040
PLATEN-PRESS MAN (printing & publishing).....	4-48.020
PRESS EMBOSSER (textile).....	6-19.611
STRIKE-OFF-MACHINE OPERATOR (textile).....	6-19.876
WALLPAPER PRINTER (wallpaper).....	4-48.090
WEB-PRESS MAN (printing & publishing).....	4-48.030

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### RELATED FIELDS OF WORK

Photographic Work.....	4-X6.58
Printing Press Operating.....	4-X2.463



## INSTRUMENT MECHANIC (ARMY TRADE GROUPS C, B, and A)

Makes any optical, electrical, or mechanical repairs to A.A. fire control equipment or to any field instrument (compasses, telescopes, binoculars, clinometers, directors, dial sights, theodolites and range finders): does light fitting and turning to given tolerances, using watchmaker's lathe and fine hand tools; fits and tests new lenses and bubbles to optical portions of instruments; checks and calibrates instruments from a standard; traces and repairs electrical faults; makes new parts and tools, as necessary, following blueprint specifications; hardens and tempers metal parts and tools; does necessary soldering and brazing; polishes and lacquers instruments.

Must know mathematics up to Trigonometry so as to be able to work out consistency and accuracy tests on a range finder and to be able to work out range finder formula. Must have knowledge of elementary electricity and optics. Must be able to apply principles of optics, reflection, refraction, lenses and prisms in repair of astronomical and terrestrial telescopes, binoculars, range finders, etc. Must be able to apply principles of magnetism and electricity to repairs and maintenance of A.A. fire control equipment and range finding apparatus. Must understand principles of engraving machine. Must know principles of exploders, ammeters and voltmeters. Must know principles and use of avometer and avometer for testing cables and circuits. Must have general knowledge of instruments repaired in Infantry Troops, Armoured Brigade, Heavy and Light A.A. and Base Workshop.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief training in maintenance and repair of precision instruments:

ELECTRICAL-INSTRUMENT REPAIRMAN (any industry).....	5-83.975
INSTRUMENT MAKER (any industry).....	4-75.130
INSTRUMENT MAKER (electrical equipment).....	5-00.912
INSTRUMENT MAKER (optical goods).....	5-08.066
INSTRUMENT MAN (air transportation).....	5-83.972
INSTRUMENT MAN (instruments & apparatus).....	7-83.920
INSTRUMENT REPAIRMAN (petroleum refining).....	5-83.971
MACHINIST, BENCH (machine shop).....	4-75.120

#### II Occupations requiring brief additional training in methods of inspecting, maintaining, or repairing registering devices, cameras, locks, office machines or electrical equipment:

BUSINESS-MACHINE INSPECTOR (office machines; typewriters & parts)	4-94.411
CAMERA REPAIRMAN (any industry).....	5-83.901
CONTROLLER REPAIRMAN (railroad locomotive & car building & repairing).....	5-79.550
ELECTRICAL-APPLIANCE SERVICEMAN (any industry).....	5-83.041
GAS SERVICEMAN (light, heat, & power).....	5-83.947
INSPECTOR AND TESTER (agricultural equipment).....	4-94.341
LOCKSMITH (any industry).....	5-83.551
PUBLIC-ADDRESS SERVICEMAN (any industry).....	5-83.415
SIGNAL-SERVICE REPAIRMAN (railroad transportation).....	5-79.170
WATCHMAKER (any industry).....	4-71.510

#### III Occupations requiring additional training in methods of setting up and operating machine tools for the fabrication of fine parts and in methods of laying out and handling work pieces:

DAMASCENER (clocks, watches, & allied products).....	4-72.014
FILER, MACHINE (machine tools & accessories).....	4-78.291
FOX-LATHE OPERATOR (clocks, watches, & allied products).....	4-72.011

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**RELATED CIVILIAN EMPLOYMENT****Dictionary of  
Occupational  
Titles - Codes**

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GEAR-HOBBER OPERATOR (machine shop).....	4-78.132
MILLING-MACHINE OPERATOR (machine shop).....	4-78.031
SHAPER OPERATOR (machine shop).....	4-78.061
SPINNER (jewelry).....	4-72.317
UNDERTURNER (clocks, watches, & allied products).....	4-72.012
WHEEL CUTTER (clocks, watches, & allied products).....	4-72.013

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**RELATED FIELDS OF WORK**

Electrical Unit Assembling (Including Instrument Repair).....	4-X6.308
Mechanical or Metal Unit Assembling and Related (Including Instrument Repair).....	4-X6.310
Optical Unit Assembling (Including Instrument Repair).....	4-X6.330

**INSTRUMENT MECHANIC (FIELD)  
(ARMY TRADE GROUPS B and A)**

**INSTRUMENT MECHANIC (FIELD SURVEY)  
(ARMY TRADE GROUPS B and A)**

**INSTRUMENT MECHANIC (HEAVY ANTI-AIRCRAFT)  
(ARMY TRADE GROUPS B and A)**

**INSTRUMENT MECHANIC (LIGHT ANTI-AIRCRAFT)  
(ARMY TRADE GROUPS B and A)**

Makes any optical, electrical, or mechanical repairs to Field, Field Survey, H.A.A., or L.A.A. instruments (depending upon unit): working from blueprints, makes replacement parts; tests, repairs and adjusts such instruments as binoculars, clinometers, compasses, height computers, predictors, range finders, A.A. plotters, junction boxes, rotary converters, dial sights, alidades, or sextants; does light fitting and turning, using available machine tools or improvised tools in the field; fits new lenses, prisms, mirrors, and spirit bubbles to optical portions of instruments and tests for performance; repairs cables and joints; traces and repairs electrical faults; repairs and calibrates such testing equipment as ammeters, voltmeters, etc.; makes tools in emergencies.

Must know mathematics and electricity as laid down in "Notes on Electricity and Service Electrical Apparatus". Must know optics as outlined in "Elementary Notes on Optics and their Application to Service Instruments". Must know the Magslip system of transmitting data.

Must have qualified as an Instrument Mechanic (Group C).

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**RELATED CIVILIAN EMPLOYMENT**

**Dictionary of  
Occupational  
Titles - Codes**

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**I Occupations requiring brief training in maintenance and repair of precision instruments:**

ELECTRICAL-INSTRUMENT REPAIRMAN (any industry).....	5-83.975
INSTRUMENT MAKER (any industry).....	4-75.130
INSTRUMENT MAKER (electrical equipment).....	5-00.912
INSTRUMENT MAKER (optical goods).....	5-08.066
INSTRUMENT MAN (air transportation; aircraft manufacturing).....	5-83.972
INSTRUMENT MAN (instruments & apparatus).....	7-83.920
INSTRUMENT REPAIRMAN (petroleum refining).....	5-83.971
MACHINIST, BENCH; <i>Fitter</i> (machine shop).....	4-75.120

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**II Occupations requiring brief additional training in methods of inspecting, maintaining, or repairing registering devices, cameras, locks, office machines or electrical equipment:**

BUSINESS-MACHINE INSPECTOR (office machines; typewriters & parts).....	4-94.411
CAMERA REPAIRMAN (any industry).....	5-83.901
CONTROLLER REPAIRMAN (railroad locomotive & car building, & repairing).....	5-79.550
ELECTRICAL-APPLIANCE SERVICEMAN (any industry).....	5-83.041
GAS SERVICEMAN (light, heat, & power).....	5-83.947
INSPECTOR AND TESTER (agricultural equipment).....	4-94.341
LOCKSMITH (any industry).....	5-83.551
PUBLIC-ADDRESS SERVICEMAN (any industry).....	5-83.415
SIGNAL-SERVICE REPAIRMAN (railroad transportation).....	5-79.170
WATCHMAKER (any industry).....	4-71.510

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III Occupations requiring additional training in methods of setting up and operating machine tools for the fabrication of fine parts and in methods of laying out and handling work pieces:

DAMASCENER (clocks, watches, & allied products).....	4-72.014
ENGINE-LATHE OPERATOR (machine shop).....	4-78.011
FILER, MACHINE (machine tools & accessories).....	4-78.291
FOX-LATHE OPERATOR (clocks, watches, & allied products).....	4-72.011
GEAR-HOBBER OPERATOR; <i>Gear Cutter</i> (machine shop).....	4-78.132
MILLING-MACHINE OPERATOR (machine shop).....	4-78.031
SHAPER OPERATOR (machine shop).....	4-78.061
SPINNER (jewelry).....	4-72.317
UNDERTURNER (clocks, watches, & allied products).....	4-72.012
WHEEL CUTTER (clocks, watches, & allied products).....	4-72.013

RELATED FIELDS OF WORK

Electrical Unit Assembling (Including Instrument Repair).....	4-X6.308
Mechanical or Metal Unit Assembling and Related (Including Instrument Repair).....	4-X6.310
Optical Unit Assembling (Including Instrument Repair).....	4-X6.330

## INSTRUMENT MECHANIC (SIGNALS) (ARMY TRADE GROUPS C, B, and A)

Installs, inspects, tests, repairs, and calibrates electrical instruments, machining and fabricating unobtainable replacement parts, as necessary; uses wavemeter to calibrate wireless sets, and measure inductance and capacity of a circuit; suppresses, screens, and bonds vehicles to eliminate static discharges; inspects, tests and repairs service electric motors, generators, rotary converters, and transformers, repairing armatures and field coils, replacing commutators, starting devices and switches, and taking down and reassembling entire equipment, if necessary; inspects, tests, repairs and installs radio transmitting and receiving sets; diagnoses, locates and rectifies faults in service telephone or telegraph apparatus; locates simple faults in power supply from D.C. and A.C. mains; uses, and cleans, adjusts, repairs, and calibrates electrical testing and measuring instruments, such as voltmeters, recording gauges, relays, thermostats, frequency meters; splices and insulates wires, tests circuits for continuity and proper connections, joints projected cables (not armoured), and makes off flexible cords; dismantles, cleans, reassembles and adjusts complete teleprinter. Instrument Mechanic (Signals) (Group A) takes charge of installation of service electrical plant; and installs terminal apparatus to provide junctions between various types of service exchanges.

Must have working knowledge of fundamentals of electricity. Must be able to operate precision machines, and use small tools and measuring devices; must be able to work from blueprints and written specifications. Must be able to use blowtorch and soldering iron in hard or soft solderings. Must understand working properties of brass and be capable of shaping parts to precise dimensions within tolerances prescribed. Must have knowledge of radio telephony procedure, and be able to use phonetic alphabet. Must have knowledge of map reading, and be able to use protractor and compass. Must have knowledge of organization and security regulations of the corps or division.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

ELECTRIC-METER TESTER (light, heat, & power).....	5-83.452
ELECTRIC-MOTOR REPAIRMAN (any industry).....	5-83.433
ELECTRICAL ADJUSTER (electrical equipment).....	5-00.933
ELECTRICAL-INSTRUMENT REPAIRMAN (any industry).....	5-83.975
ELECTRICAL REPAIRMAN (any industry).....	4-97.420
ELECTRICAL TESTER (radio manufacturing).....	4-98.010
ELECTRICIAN (any industry).....	4-97.010
INSTRUMENT MAKER (electrical equipment).....	5-00.912

#### II Occupations requiring brief additional training in techniques of installing, inspecting, or repairing specific types of electrical equipment:

CABLE TESTER (telephone & telegraph).....	5-53.340
CONTROLLER REPAIRMAN (railroad locomotive & car building & repairing).....	5-79.550
ELECTRIC-REFRIGERATOR SERVICEMAN (any industry).....	5-83.031
ELECTRICAL ASSEMBLER (refrigerator & refrigerating & ice-making equipment).....	5-00.511
ELECTRICIAN, RADIO (any industry).....	5-83.445
ELECTRICIAN, SHIP (ship & boat building & repairing).....	4-97.210
SIGNAL-SERVICE REPAIRMAN (railroad transportation).....	5-79.170
STATION INSTALLER (II); <i>Telephone Installer</i> (telephone & telegraph)	5-53.030
TRANSMISSION MAN (motion picture).....	5-56.040

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**RELATED CIVILIAN EMPLOYMENT****Dictionary of  
Occupational  
Titles - Codes**

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**III Occupations requiring considerable additional technical training in  
electrical engineering; or in techniques of radio broadcasting:**

APPRAISAL ENGINEER (telephone & telegraph).....	0-17.01
CONTROL SUPERVISOR, JUNIOR (I) (radio broadcasting).....	0-66.03
DESIGN ENGINEER, ELECTRICAL (professional & kindred).....	0-17.01
DRAFTSMAN, ELECTRICAL (professional & kindred).....	0-48.11
ELECTRICAL ENGINEER (professional & kindred).....	0-17.01
LIGHTING EXPERT (light, heat, & power).....	0-17.01
POWER-PLANT ENGINEER (professional & kindred).....	0-17.01
RADIO ENGINEER (I) (professional & kindred).....	0-17.01
RADIO ENGINEER (II) (radio broadcasting).....	0-17.01
STATION INSTALLER, SENIOR (telephone & telegraph).....	5-53.040

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**RELATED FIELDS OF WORK**

Electrical Engineering and Related.....	0-X7.48
Electrical Repairing.....	4-X6.18
Electrical Unit Assembling (Including Instrument Repair).....	4-X6.308
Mechanical or Metal Unit Assembling and Related (Including Instrument Repair).....	4-X6.310



## INSTRUMENT MECHANIC (SURGICAL) (ARMY TRADE GROUPS C, B, and A)

Performs bench and fitting operations on surgical instruments and apparatus: forges, turns, files, grinds, drills, taps, solders, brazes and buffs surgical instruments and parts; sharpens, on grinding wheels, surgical instruments such as scalpels, scissors, rongeurs, etc.; operates machine tools to a tolerance of .003"; does hard and soft soldering and brazing; maintains and repairs surgical instruments and sterilizing equipment. May design and fabricate special surgical instruments from description provided by surgeon.

Must know characteristics of various metals used in surgical instruments. Must have knowledge of English and metric systems of measurement.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

BENCH GRINDER (any industry).....	6-77.710
BRUSHER (hardware).....	6-77.010
BUFFER (any industry).....	6-77.020
BURRER, HAND (machine shop).....	6-77.510
FILER, HAND (hardware).....	6-77.520
GRINDER (automobile manufacturing).....	6-77.040
POLISHER (any industry).....	6-77.060
SPOT POLISHER (automobile manufacturing).....	6-77.080
TOOL GRINDER (any industry).....	7-84.110

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#### II Occupations requiring additional training in techniques of assembling small mechanical parts:

ANIMATED-SIGN ASSEMBLER (signs & advertising novelties).....	7-13.321
ASSEMBLER (VI) (electrical equipment).....	7-00.803
ASSEMBLER (office machines; typewriters & parts).....	6-94.411
CAMERA ASSEMBLER (photographic apparatus & materials).....	7-09.328
FISHING-REEL ASSEMBLER (sporting & athletic goods).....	6-93.352
PICK-UP ASSEMBLER (phonograph).....	6-98.740
PROJECTOR ASSEMBLER (photographic apparatus & materials).....	7-09.327
SPRAY-GUN ASSEMBLER (machine manufacturing).....	6-94.656

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#### III Occupations requiring considerable additional training in methods of setting up and operating machine tools for the fabrication of fine parts:

DAMASCENER (clocks, watches, & allied products).....	4-72.014
FILER (jewelry).....	6-77.540
FOX-LATHE OPERATOR (clocks, watches, & allied products).....	4-72.011
JEWEL-BEARING BROACHER (jewelry).....	6-72.814
JEWEL-BEARING TURNER (jewelry).....	6-72.812
JEWEL-SETTER (clocks, watches, & allied products).....	6-72.126
LAPPER (jewelry).....	6-77.070
LATHE HAND (V) (Jewelry).....	6-78.005

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### RELATED FIELDS OF WORK

Metal Bench Grinding (Including Filing and Polishing).....	6-X4.315
Metal Grinding (Material Fixture-Held).....	6-X2.415
Metal Grinding or Polishing Machine Operating (Hand Manipulated).....	6-X4.415

# INSTRUMENT MECHANIC (TYPEWRITER AND CIPHER) (ARMY TRADE GROUPS B and A)

In addition to duties of Instrument Mechanic (Group C), inspects, adjusts, repairs, cleans and services office machines; diagnoses defects in mechanical parts; starts machine and listens for unusual sounds in operation; disassembles machine and examines moving parts or other mechanisms; tightens, loosens, sets and adjusts gears, guides, rollers, pinions and other parts of machines found out of adjustment, using hand tools such as wrenches, pliers and screwdrivers; makes, fits and repairs such parts as banking stops, margin pointer, paper release, lever links, draw band ends, type-bar connecting links to typewriters, using machines such as precision lathes, small milling machines and bench grinders; oils moving parts and reassembles; diagnoses electrical faults in cipher machines, using testing devices such as instrument testing scales, collimators and electric meters.

Must have at least three months experience in repair and maintenance of, or have attended a recognized course of instruction on, typewriters, cipher machines and duplicators. Must have a good knowledge of rotary and flat duplicators and all standard commercial typewriters. Should have a good knowledge of elementary electricity and a thorough understanding of the impulse generator. Must have a knowledge of electrical wiring diagrams and their applications.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>		
ACCOUNTING-MACHINE SERVICEMAN (any industry).....	5-83.121	
ADDING-MACHINE SERVICEMAN (any industry).....	5-83.122	
CALCULATING-MACHINE SERVICEMAN (any industry).....	5-83.123	
CASH-REGISTER SERVICEMAN (any industry).....	5-83.124	
DUPLICATING-MACHINE SERVICEMAN (any industry).....	5-83.125	
OFFICE-MACHINE SERVICEMAN (any industry).....	5-83.111	
STATISTICAL-MACHINE SERVICEMAN (any industry).....	5-83.126	
TYPEWRITER SERVICEMAN (any industry).....	5-83.127	
<b>II Occupations requiring brief additional training to become familiar with the maintenance, repair and inspection of small complex mechanical devices:</b>		
ELECTRICAL-INSTRUMENT MECHANIC (aircraft manufacturing)...	5-83.972	
INSTRUMENT INSPECTOR (instruments & apparatus).....	5-08.064	
INSTRUMENT MAKER (electrical equipment).....	5-00.912	
INSTRUMENT MAN (air transportation; aircraft manufacturing).....	5-83.972	
INSTRUMENT REPAIRMAN (petroleum refining).....	5-83.971	
MACHINIST, CAMERA (motion picture).....	5-83.901	
MACHINIST, LINOTYPE (printing & publishing).....	5-83.641	
METER REPAIRMAN (petroleum & natural gas production).....	5-83.465	
TRAINER (clocks, watches, & allied products).....	4-72.112	
<b>III Occupations requiring additional training to become familiar with specialized tools and equipment used to assemble small intricate mechanisms:</b>		
AUTOMOBILE MECHANIC (automotive services).....	5-81.010	
DIE MAKER (machine shop).....	4-76.010	
INSTRUMENT MAKER (any industry).....	4-75.130	
JEWELER (instruments and apparatus).....	4-75.130	
JOB SETTER (machine shop).....	4-75.160	
LOCKSMITH (any industry).....	5-83.551	
MACHINIST (machine shop).....	4-75.010	
MACHINIST, BENCH (machine shop).....	4-75.120	
MODEL MAKER (firearms & guns).....	5-17.070	
WATCHMAKER (any industry).....	4-71.510	

## RELATED FIELDS OF WORK

Electrical Equipment Repairing.....	4-X6.183
Office Machine Repairing.....	4-X2.106

## INSTRUMENT REPAIRER (DENTAL) (ARMY TRADE GROUPS C and B)

Maintains, repairs and installs dental equipment: disassembles, repairs or replaces broken parts, and reassembles such dental equipment as hand pieces, foot or electrically-operated engines, motors and lathes, sterilizers, casting machines, vulcanizers, chairs and units, X-ray machines, and instruments, using a variety of common hand tools; installs and repairs associated electrical and plumbing fixtures. The Instrument Repairer (Dental) (Group B) plans and arranges all equipment.

Must be able to take care of any correspondence in connection with equipment.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring brief training in techniques of assembling, testing, inspecting, and adjusting small mechanical, electrical or electronic units:

ELECTRIC-MOTOR ASSEMBLER (electrical equipment).....	6-99.166
ELECTRICAL ADJUSTER (electrical equipment).....	5-00.933
ELECTRICAL ASSEMBLER (electrical equipment).....	6-78.634
HYDRAULIC-CHAIR ASSEMBLER (furniture).....	4-36.210
INSTRUMENT MAN (instruments & apparatus).....	7-83.920
OPERATING-TABLE ASSEMBLER (furniture).....	4-36.220
RADIO REPAIRMAN (radio manufacturing).....	6-98.210

#### II Occupations requiring additional training in methods of constructing, maintaining or repairing precision instruments and recording devices:

ELECTRICAL REPAIRMAN (any industry).....	4-97.420
GAS-METER REPAIRMAN (light, heat, & power).....	5-83.461
INSTRUMENT MAKER (electrical equipment).....	5-00.912
INSTRUMENT REPAIRMAN (petroleum refining).....	5-83.971
MACHINIST, BENCH (machine shop).....	4-75.120
METER REPAIRMAN (petroleum & natural gas production).....	5-83.465
WATER-METER REPAIRMAN (waterworks).....	5-83.471

#### III Occupations requiring considerable additional training in techniques used in repairing and servicing large complex mechanical or electrical units:

ELECTRIC-REFRIGERATOR SERVICEMAN (any industry).....	5-83.031
ELECTRICIAN, RECTIFIER MAINTENANCE (light, heat, & power)..	4-97.520
ELEVATOR REPAIRMAN (any industry).....	5-83.921
INSTRUMENT MAKER (any industry).....	4-75.130
MAINTENANCE MECHANIC (any industry).....	5-83.641
OIL-BURNER-INSTALLATION-AND-SERVICE MAN (any industry)..	5-83.024
STOKER ERECTOR AND SERVICEMAN (any industry).....	5-83.022

### RELATED FIELDS OF WORK

Electrical Equipment Repairing.....	4-X6.183
Mechanical or Metal Unit Assembling and Related (Including Instrument Repair).....	4-X6.310



## LABORATORY ASSISTANT (MEDICAL) (ARMY TRADE GROUPS C, B, and A)

## LABORATORY TECHNICIAN (ARMY TRADE GROUPS C, B, and A)

Conducts laboratory tests and analyses at a medical laboratory: sets up and adjusts apparatus such as shakers, beakers, tubes, microscopes, colourimeters, etc.; analyzes blood, urine, etc.; prepares media and carries on routine cultures on general medical and surgical specimens; determines bleeding and clotting time, sedimentation rate, volume and colour indices; types pneumococci and blood groups; prepares standard solutions and reagents and histological stains; makes quantitative determinations in blood-sugar, urea, bile chloride, total proteins, sulphanamide and its derivatives; examines tissues microscopically; feeds and cares for laboratory animals; sterilizes and keeps laboratory equipment in sanitary condition.

The Laboratory Assistant must have Junior or Senior Matriculation from a British, Canadian, or American school. The Laboratory Technician must be a graduate of a British, Canadian, or American University of recognized standing or have had equivalent civilian experience.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>		
MEDICAL TECHNICIAN (professional & kindred).....		0-50.01
PATHOLOGICAL TECHNICIAN (professional & kindred).....		0-50.01
<b>II Occupations requiring brief additional training in the particular field of chemistry or in laboratory methods of analyzing specific industrial products such as food, textile, paper or metal:</b>		
BENCHMAN (sugar).....		0-50.24
CHEMIST ASSISTANT (professional & kindred).....		0-50.22
CLOTH TESTER (garment).....		0-50.32
LABORATORY ASSISTANT, COLLEGE, SCHOOL, OR UNIVERSITY (education & instruction).....		0-50.21
LABORATORY ASSISTANT, METALLURGICAL (iron & steel).....		0-50.27
LABORATORY TESTER (canning & preserving).....		0-50.25
LABORATORY TESTER; <i>Milk Tester</i> (dairy products; ice cream).....		0-50.46
PHARMACEUTICAL-LABORATORY ASSISTANT (professional & kindred).....		0-50.02
SODA TESTER (paper & pulp).....		0-50.35
<b>III Occupations requiring considerable academic training in specific methods of laboratory analysis as applied to cells, insects, bacteria, or animal diseases:</b>		
BACTERIOLOGIST (professional & kindred).....		0-39.36
CHEMIST, BIOLOGICAL (professional & kindred).....		0-07.02
CHEMIST, NUTRITIONAL (professional & kindred).....		0-07.02
CYTOLOGIST (professional & kindred).....		0-39.32
PARASITOLOGIST (professional & kindred).....		0-39.71
PHARMACIST (professional & kindred).....		0-25.10
PHARMACOGNOSIST (professional & kindred).....		0-07.91

### RELATED FIELDS OF WORK

Biochemical Work..... 0-X7.03

## LINEMAN MECHANIC (SIGNALS) (ARMY TRADE GROUPS C, B, and A)

Installs and maintains telephone and telegraph equipment: makes off flexible cords; joints and tails small lead-covered cables; does soft soldering with blow lamp and soldering iron; mounts parts on metal or ebonite, using drills, taps and dies; places, adjusts and tests relays, lamps, keys, jacks, switchboard multiple, cords, plugs, battery charging units, rotary selectors, brushes, terminals, banks, switches and interrupters; installs and maintains field telephones, telegraph repeaters, teleprinters, switchboards, teleprinter terminal units and simple channel carrier telephone and telegraph apparatus; maintains line carriers for multi-channel Radio Telegraphy sets; uses such testing equipment as bridge-megger, Wheatstone bridge, alternating current and direct current meters and shunts, and transmission measuring sets.

Must have knowledge of applied physics as related to telephone and telegraph equipment. Must be able to solve simple problems involving simultaneous equations, indices and surds, logarithms, elementary trigonometry, graphs, rectors, and Ohm's Law. Must have good knowledge of organization of corps and security measures. Must be able to read and set maps, with or without compass.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

CABLE SPLICER (construction; light, heat, & power).....	5-53.950
COMBINATION MAN (telephone & telegraph).....	5-53.210
LINEMAN (light, heat, & power).....	5-53.420
SOLDERER (any industry).....	6-95.001
STATION REPAIRMAN (telephone & telegraph).....	5-53.250
TELEGRAPH-REPEATER INSTALLER (telephone & telegraph).....	5-53.060
TELEGRAPHIC-TYPEWRITER INSTALLER (telephone & telegraph)...	5-53.070
TELEPHONE-SWITCHBOARD REPAIRMAN (telephone & telegraph)..	5-53.240
TOLL-LINE REPAIRMAN (telephone & telegraph).....	5-53.280
TRANSMISSION ENGINEER (telephone & telegraph).....	5-53.920

#### II Occupations requiring brief additional training in methods of installing or repairing communication equipment:

CENTRAL-OFFICE INSTALLER (telephone & telegraph).....	5-53.010
ELECTRICAL-INSTRUMENT REPAIRMAN (any industry).....	5-83.975
ELECTRICAL REPAIRMAN (any industry).....	4-97.420
ELECTRICIAN, AIRPLANE (aircraft manufacturing).....	4-97.910
ELECTRICIAN, RADIO (any industry).....	5-83.445
RADIO REPAIRMAN (any industry).....	5-83.411
STATION INSTALLER (telephone & telegraph).....	5-53.030
TELEPHONE INSPECTOR (telephone & telegraph).....	5-76.210
WIRE CHIEF (I) (telephone & telegraph).....	5-53.320

#### III Occupations requiring considerable additional training to become familiar with various types of electrical equipment or radio transmitters; or in the designing and planning of construction of conduit lines; or in handling of submarine cable:

CABLE ENGINEER (telephone & telegraph).....	0-17.02
CONTROL-ROOM MAN (radio broadcasting).....	0-61.10
ELECTRICIAN (any industry).....	4-97.010
FIELD ENGINEER (radio broadcasting).....	0-61.50
FOREMAN (telephone & telegraph).....	5-95.220
LINE-CONSTRUCTION ENGINEER (telephone & telegraph).....	0-17.01
RADIO OPERATOR (governmental services; radio broadcasting; water transportation).....	0-61.30
TRANSMITTER TESTER (radio manufacturing).....	0-61.80

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### RELATED FIELDS OF WORK

Electrical Wiring and Related.....	4-X6.181
Electrical Equipment Repairing.....	4-X6.183
Radio Repairing and Related.....	4-X6.185

## LINEMAN (SIGNALS) (ARMY TRADE GROUPS C and B)

Installs and maintains telephone and telegraph wire systems: digs holes for poles with spade, pick, bar and spoon set; dresses and erects wooden poles, and dresses and fixes stays and struts; lays field and quad cable, using mechanical cable layer, line trucks and wire reels; climbs pole with climbers and safety belt, and attaches cross arms, insulators, lightning arrestors and other equipment; pays out and strings wires; joints "D" class and quad cables, airlines and permanent line wires; constructs and maintains transportation system; makes operating tests at intervals along route; locates and repairs faults in field cables; erects and maintains telephone switchboards and field telephones; uses and cares for test sets Wheatstone bridges or bridge-megger, primary cells and secondary batteries; repairs and maintains all equipment used. May erect emergency lines on improvised supports.

Must have knowledge of physics applicable to telephone and telegraph communication systems. Must be able to read and set maps. Must understand wire tying, cable splicing and pole guying. Must understand line testing, signal circuit and route diagrams and records. Must have general knowledge of Army organization and security measures.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

CABLE SPLICER (construction; light, heat, & power).....	5-53.950
CALL-BOX WIRER (telephone & telegraph).....	7-53.010
LINEMAN, JUNIOR (telephone & telegraph).....	7-53.410
MANUAL-EQUIPMENT REPAIRMAN, CENTRAL OFFICE (telephone & telegraph).....	5-53.235
PLANT WIREMAN (telephone & telegraph).....	7-53.020
SIGNAL-SERVICE REPAIRMAN (railroad transportation).....	5-79.170
STATION INSTALLER (I) (telephone & telegraph).....	7-53.030
TELEGRAPH INSTALLER; <i>Telegraph Equipment Installer</i> (telephone & telegraph).....	5-53.050
TESTING AND REGULATING MAN (telephone & telegraph).....	5-53.910
TOLL REPAIRMAN, CENTRAL OFFICE (telephone & telegraph).....	5-53.310

#### II Occupations requiring brief additional training in repairing and maintaining communication lines; or in testing and operating telephone systems; or in servicing and installing electrical appliances and equipment:

ELECTRICAL-APPLIANCE SERVICEMAN (any industry).....	5-83.041
ELECTRICAL TESTER; <i>Testman</i> (light, heat, & power).....	5-53.360
LINE INSPECTOR (telephone & telegraph).....	5-76.220
LINEMAN (light, heat, & power).....	5-53.420
LINEMAN, SENIOR (telephone & telegraph).....	5-53.410
PHOTOPHONE ASSEMBLER (radio manufacturing).....	6-98.170
PRIVATE-BRANCH-EXCHANGE INSTALLER (telephone & telegraph).....	5-53.020
TOLL-LINE REPAIRMAN (telephone & telegraph).....	5-53.280
TRANSMISSION ENGINEER (telephone & telegraph).....	5-53.920
WIRE CHIEF (I) (telephone & telegraph).....	5-53.320

#### III Occupations requiring considerable additional training in assembling or repairing radios; or in general duties of an electrician; or in planning and directing work of laying cable:

CABLE ENGINEER (telephone & telegraph).....	0-17.02
ELECTRICIAN (any industry).....	4-97.010
ELECTRICIAN, AIRPLANE (aircraft manufacturing).....	4-97.910
FINAL TESTER (electrical equipment).....	4-99.432
RADIO-EQUIPMENT ASSEMBLER, SPECIAL (radio manufacturing)...	4-98.050
SYSTEM OPERATOR (light, heat, & power).....	5-51.520
WIREMAN (bituminous coal mining; metal mining).....	4-97.010

### RELATED FIELDS OF WORK

Electrical Wiring and Related.....	4-X6.181
Electrical Equipment Repairing.....	4-X6.183



## LINGUIST (ARMY TRADE GROUP C)

Translates written foreign language into English or from English into a foreign language: translates enemy documents, letters and other materials which may have a bearing on military affairs; translates English into a foreign language using idiomatic expressions peculiar to the language.

Must be able to record accurately in an enemy language a passage of average difficulty, 100 words in length, read at handwritten speed. Must be able to note accurately in an enemy language the salient features of a narrative passage of average difficulty, 250 words in length, and be able to summarize orally in English from notes on this narrative passage. Must be able to read aloud a passage of standard even prose approximately 250 words in length, with passable pronunciation that reveals no serious defects.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>		
TRANSLATOR (professional & kindred).....		0-68.32
<b>II Occupations requiring brief additional training in methods of reporting news from foreign countries; or in foreign merchandising for home consumption; or in performing clerical activities for firms dealing in foreign trade:</b>		
FOREIGN BUYER (retail trade; wholesale trade).....		0-74.11
FOREIGN CLERK; <i>Export Clerk</i> (clerical & kindred).....		1-34.32
FOREIGN CORRESPONDENT (professional & kindred).....		0-68.32
FOREIGN CORRESPONDENT (printing & publishing).....		0-06.71
FOREIGN-NEWS TRANSLATOR (radio broadcasting; telephone & telegraph).....		0-68.32
INTERPRETER (professional & kindred).....		0-68.31
TRANSLATOR, RADIO COMMUNICATIONS (telephone & telegraph)		0-68.32
<b>III Occupations requiring considerable additional training in teaching methods; or in stenography; or in publicity or literary writing; or in the techniques of proofreading and translating into Braille:</b>		
BRAILLE PROOFREADER (printing & publishing).....		1-10.13
FOREIGN-LANGUAGE STENOGRAPHER (clerical & kindred).....		1-37.12
LITERARY WRITER (professional & kindred).....		0-06.04
PUBLICITY WRITER (I) (professional & kindred).....		0-06.97
TEACHER, LANGUAGE (education & instruction).....		0-31.01
TRANSLATOR, BRAILLE (printing & publishing).....		1-10.14
TUTOR (education & instruction).....		0-32.20
<b>RELATED FIELDS OF WORK</b>		
Creative Writing and Translating.....		0-X3.1
General Education.....		0-X6.00

## LINGUIST (ARMY TRADE GROUP B)

In addition to the duties of Linguist (Group C), conducts civilian or military interrogation in enemy language; writes messages in English or enemy language; interprets, reads and translates enemy map reference systems, topographical terms and abbreviations.

Must possess a general knowledge of the organization, equipment and tactics of an enemy Army, Air Force, Intelligence and Police Organizations with special reference to Signal Service. Must have knowledge of political, geographical and historical background of enemy country. Must be proficient in reading British maps and conventional signs. For the Wireless Intelligence Sections must be familiar with enemy wireless telegraph and radio telephone procedure and terminology.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>		
INTERPRETER (professional & kindred).....		0-68.31
TRANSLATOR (professional & kindred).....		0-68.32
<b>II Occupations requiring brief additional training in methods of reporting news from foreign countries:</b>		
FOREIGN CORRESPONDENT (professional & kindred).....		0-68.32
FOREIGN CORRESPONDENT (printing & publishing).....		0-06.71
FOREIGN-NEWS TRANSLATOR (radio broadcasting; telephone & telegraph).....		0-68.32
RADIO-NEWS COPYMAN (radio broadcasting).....		1-37.35
TRANSLATOR, RADIO COMMUNICATIONS (telephone & telegraph)..		0-68.32
<b>III Occupations requiring considerable additional training in map making; or in customs and immigration laws; or in techniques of deciphering codes:</b>		
CENSOR (governmental services).....		0-94.95
CRYPTOGRAPHER (governmental services).....		0-68.33
CUSTOMS INSPECTOR (governmental services).....		0-95.01
CUSTOMS VERIFIER (governmental services).....		0-95.04
DRAFTSMAN, MAP (professional & kindred).....		0-48.15
DRAFTSMAN, TOPOGRAPHICAL (professional & kindred).....		0-48.26
IMMIGRATION INSPECTOR (governmental services).....		0-95.91
INVESTIGATOR (I) (any industry).....		1-57.50
<b>RELATED FIELDS OF WORK</b>		
Creative Writing and Translating.....		0-X3.1
Protective Service Work.....		0-X6.25

For additional information see LINGUIST (ARMY TRADE GROUP C).

# LITHOGRAPHER, MACHINE MINDER (ARMY TRADE GROUPS C, B, and A)

Operates a rotary lithographic press to produce printed impressions on materials from the worked surface of lithographic stone or metal plates: cleans and oils machine and makes minor adjustments to press; prepares standard inks and colours; matches colours by mixing inks; adjusts water, ink, paper feed and plates to obtain clear copies of printed material; keeps in register, maintaining colour value, a minimum of 10,000 printings of job having up to five colours. May make plates or minor alterations to work on plates. May grain plates to remove old image.

Must know all litho processes. Should have elementary mechanical knowledge of machine operation. Must know colour schemes for printing.

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## RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

### I Occupations not requiring additional training:

DUPLICATING-MACHINE OPERATOR (clerical & kindred).....	1-25.26
EMBOSSING-MACHINE OPERATOR (clerical & kindred).....	1-25.42
LITHOGRAPHIC-PRESS MAN (printing & publishing).....	4-48.070
OFFSET-PRESS MAN (printing & publishing).....	4-48.050
PROOF-PRESS MAN (printing & publishing).....	6-49.510
STRIPPER AND PRINTER (printing & publishing).....	4-47.300

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### II Occupations requiring additional training in operation of presses to print designs on cloth, paper or other materials:

BLOCK PRINTER (textile).....	4-19.873
COPPERPLATE PRINTER (printing & publishing).....	4-48.030
CYLINDER-PRESS MAN (printing & publishing).....	4-48.010
EMBOSSING-PRESS OPERATOR (printing & publishing).....	4-48.040
PLATEN-PRESS MAN (printing & publishing).....	4-48.020
PRESS-EMBOSSER (textile).....	6-19.611
STRIKE-OFF-MACHINE OPERATOR (textile).....	6-19.876
WALLPAPER PRINTER (wallpaper).....	4-48.090
WEB-PRESS MAN (printing & publishing).....	4-48.030

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### III Occupations requiring considerable additional training in technique of retouching photographic or newspaper prints; or in preparing printing plates by etching or transferring from lithographic stones:

COLORIST, PHOTOGRAPHY (professional & kindred).....	0-44.24
ETCHER, HAND (printing & publishing).....	4-73.320
PHOTOGRAPH FINISHER (any industry).....	5-86.530
PHOTOGRAPH RETOUCHER (any industry).....	5-86.540
RETOUCHER, ROTOGRAVURE (printing & publishing).....	4-49.610
TRANSFERRER, HAND (I) (printing & publishing).....	4-46.500

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## RELATED FIELDS OF WORK

Printing Press Operating.....	4-X2.463
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## LOFTMAN (ARMY TRADE GROUP C)

Breeds, trains, and cares for a loft of homing pigeons which are used as message carriers between Army units: treats diseased and injured pigeons; properly cares for birds during mating and breeding periods; selects fit birds for training.

Must know general Army organization and organization of Army pigeon service. Must know procedure of handling messages including relay services. Must be able to connect up and operate telephone. Must be able to read and set maps, with or without compass.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### **I Occupations not requiring additional training:**

BARNMAN (II) (agriculture).....	3-14.10
BROODER MAN (agriculture).....	3-18.10
FARM HAND, ANIMAL (agriculture).....	3-17.60
FARM HAND, POULTRY (agriculture).....	3-18.10
INCUBATOR MAN (agricultural & horticultural service).....	3-42.10
KEEPER (amusement & recreation).....	7-56.720
LIVE-POULTRY CARETAKER (wholesale trade).....	3-49.32
PIGEON FANCIER (agriculture).....	3-07.60

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#### **II Occupations requiring brief additional training in selling pets; or in care and grooming of animals for show purposes; or in treatment to produce better fowl:**

BLOOD TESTER, FOWLS (agriculture).....	3-48.01
CAPONIZER (agricultural & horticultural service).....	3-48.02
CHICKEN SEXER (agricultural & horticultural service).....	3-48.03
FARM HAND, LIVESTOCK (agriculture).....	3-17.10
KEEPER, HEAD (amusement & recreation).....	7-56.730
KENNELMAN (agriculture).....	3-17.60
POULTRY CULLER (II) (agricultural & horticultural service).....	3-48.04
SALESPERSON, PET SHOP (retail trade).....	1-75.95

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#### **III Occupations requiring considerable additional training in care and breeding of livestock or poultry:**

BEEKEEPER (agriculture).....	3-07.70
CATTLE BREEDER (agriculture).....	3-07.10
DOG BREEDER (agriculture).....	3-07.60
FOX RAISER (agriculture).....	3-07.60
HATCHERY MAN, POULTRY (agricultural & horticultural service)....	3-41.10
POULTRY BREEDER (agriculture).....	3-08.10
RABBIT FANCIER (agriculture).....	3-07.60
TURKEY RAISER (agriculture).....	3-08.10
VETERINARY-HOSPITAL ATTENDANT (medical services).....	2-42.60

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### RELATED FIELDS OF WORK

Miscellaneous Animal Care.....	3-X1.19
Poultry Farming and Related.....	3-X1.17

## LOG CANTER (FORESTRY) (ARMY TRADE GROUP C)

Rolls logs from log deck on to log carriage: rolls logs on to carriage with cant hook; turns log to position for sawing and holds it firmly against carriage knees, using cant hook as a lever.

Must be a first class cant hook and axe man.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

BLOCK SETTER (sawmill).....	6-31.910
CANT SETTER (sawmill).....	8-31.01
DECKMAN (sawmill).....	6-31.920
DOGGER (sawmill).....	6-31.930
LOG TURNER; <i>Log Canter</i> (sawmill).....	6-31.980
TOP LOADER (logging).....	6-30.360

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#### II Occupations requiring brief additional training to learn techniques of handling and moving materials, using tongs, hooks, or chains:

DRAG-OUT MAN (iron & steel).....	6-88.151
HAMMERSMITH HELPER (forging).....	6-88.713
LOFTSMAN, PILE DRIVING (construction).....	7-32.352
MONUMENT SETTER (marble, granite, slate, & other stoneworking)...	7-24.210
ROLL OVER (iron & steel).....	6-88.154
SHEET CATCHER (iron & steel).....	6-88.034
TABLEMAN; <i>Transfer Table Operator</i> (iron & steel; non ferrous metal alloys & products).....	6-88.036

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#### III Occupations requiring additional training in techniques of feeding and tending sawing and cutting machines:

SCRAP SAWYER (planing mill; sawmill).....	6-33.221
SHINGLE-SAW OPERATOR (basket & rattan & willowware).....	6-31.120
STAVE-SAW OPERATOR (cooperage).....	6-31.180
TENONER OPERATOR (furniture; planing mill).....	6-33.318
TIMBER CUTTER (bituminous coal mining; metal mining).....	6-33.228
TRIMMER MAN (sawmill).....	6-31.440
VARIETY-SAW OPERATOR (woodworking).....	6-33.224

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### RELATED FIELDS OF WORK

Miscellaneous Woodworking Machine Operating.....	6-X4.429
Miscellaneous Woodworking Machine Tending.....	6-X2.429

## MACHINIST, METAL (ARMY TRADE GROUP C)

Assists Machinists in the construction and repair of metal parts, tools and machinery in operation of Army machine shop: sets up and performs work not requiring close tolerances; assists in setting up, adjusting and operating machines such as shaping, planing, slotting and plain milling machines; oils and cleans machinery; sharpens tools for machines.

Must be able to read simple sketches and blueprints.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

AIR-CHUCK OPERATOR (machine shop).....	8-78.10
CENTERLESS-GRINDER-MACHINE OPERATOR, AUTOMATIC (machine shop).....	8-78.10
FOOT-PRESS OPERATOR (machine shop).....	8-78.10
HACKSAWING-MACHINE OPERATOR (machine shop).....	8-78.10
MACHINIST APPRENTICE (machine shop).....	7-94.100
SCREW-MACHINE OPERATOR, AUTOMATIC; <i>Screw Machine Tender</i> (machine shop).....	6-78.145
SINGLE-SPINDLE-DRILL-PRESS OPERATOR (machine shop).....	6-78.083
TOOL MARKER (machine shop).....	8-78.10

#### II Operations requiring brief on-the-job training to learn operation of metalworking machines and in methods of setting up work:

BAND-SAWING-MACHINE OPERATOR (machine shop).....	6-78.611
BORING-MACHINE OPERATOR, AUTOMATIC (machine manufacturing).....	6-78.041
CENTERLESS-GRINDER OPERATOR (machine shop).....	6-78.511
GEAR-TOOTH GRINDER (automobile manufacturing).....	6-78.132
LATHE OPERATOR, AUTOMATIC (automobile manufacturing).....	6-78.164
MILLING-MACHINE OPERATOR, AUTOMATIC (automobile manufacturing).....	6-78.031
MULTIPLE-SPINDLE-DRILL-PRESS OPERATOR (machine shop).....	6-78.081
TURRET-LATHE OPERATOR, AUTOMATIC (machine shop).....	6-78.021

#### III Occupations requiring additional training to learn to set up and operate woodworking machines:

BARREL THREADER (firearms & guns).....	6-78.291
BURRER, HAND (machine shop).....	6-77.510
DIE-SHAPING-MACHINE OPERATOR (machine shop).....	4-78.061
RACK CUTTER (machine tools & accessories).....	4-78.031
RACK GRINDER (machine tools & accessories).....	6-78.132
SIDE-HEAD-PLANER OPERATOR (machine shop).....	4-78.071
BORING-MACHINE OPERATOR, MULTIPLE SPINDLE (woodworking).....	6-33.412
DADO OPERATOR (woodworking).....	6-33.313
DOWEL-MACHINE OPERATOR (furniture; planing mill; wooden articles turned & shaped, & other wooden goods).....	6-33.913
DOVETAIL-MACHINE OPERATOR (automobile manufacturing; furniture).....	6-33.314
MOLDER OPERATOR (woodworking).....	6-33.464
ROUTER OPERATOR (furniture; planing mill).....	4-33.411
UNIVERSAL-WOODWORKING-MACHINE OPERATOR (woodworking).....	4-33.311
VARIETY-LATHE OPERATOR (wooden articles turned & shaped, & other wooden goods).....	6-33.372

### RELATED FIELDS OF WORK

All-Around Metal Machining.....	4-X2.010
Metal Working Machine Operating.....	6-X4.41
Metal Working Machine Tending.....	6-X2.41



## MACHINIST, METAL (ARMY TRADE GROUP B)

In addition to duties of Machinist, Metal (Group C), makes parts and tools from metal castings, forgings and stock, working to close tolerances: studies blue-prints, selects metal stock and lays out work; sets up work in machines and selects correctly shaped and sharpened tool for each type machine to be used; operates metalworking machines such as planing, slotting, shaping, milling, power hacksaw and drill presses; checks dimensions of parts during machine process with micrometer and Vernier gauges, dividing head and index plates; sharpens cutting tools on grinders; uses all types of fitter's hand tools; estimates time and material required for any given job.

Must be able to work a variety of metals such as iron, steel, bronze, copper, lead and aluminum. Should have a knowledge of cutting lubricants.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

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#### I Occupations not requiring additional training:

ENGINE-LATHE OPERATOR (machine shop) .....	4-78.011
MACHINIST (machine shop) .....	4-75.010
MILLING-MACHINE OPERATOR (machine shop) .....	4-78.031
PLANER OPERATOR (machine shop) .....	4-78.071
SHAPER OPERATOR (machine shop) .....	4-78.061
SURFACE-GRINDER OPERATOR (machine shop) .....	4-78.513
TOOL-GRINDER OPERATOR (machine shop) .....	5-84.110

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#### II Occupations requiring brief additional training in methods of assembling and repairing mechanical devices; or in shop lay-out or production line inspection methods:

CAMERA REPAIRMAN (any industry) .....	5-83.901
GUNSMITH (any industry) .....	5-83.542
INSPECTOR (machine shop) .....	4-78.671
JOB SETTER (machine shop) .....	4-75.160
LAY-OUT MAN (foundry) .....	4-75.140
LOCK ASSEMBLER (furniture) .....	4-36.010
MACHINIST, BENCH; Fitter (machine shop) .....	4-75.120
TOOL INSPECTOR (machine shop) .....	4-76.220

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#### III Occupations requiring considerable additional training to learn methods of making or repairing precision instruments:

DIE MAKER (jewelry) .....	4-76.020
DIE MAKER (machine shop) .....	4-76.010
DIE SETTER (forging) .....	4-76.120
INSTRUMENT MAKER (any industry) .....	4-75.130
JOB SETTER (machine shop) .....	4-75.160
MODEL MAKER (firearms & guns) .....	5-17.070
PATTERNMAKER, METAL (foundry) .....	5-17.010
TOOL AND DIE MAKER (machine shop) .....	4-76.040
TOOL MAKER (machine shop) .....	4-76.210

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### RELATED FIELDS OF WORK

Metal Machining .....	4-X2.01
Metal Working Machine Operating .....	6-X4.41
Metal Working Machine Tending .....	6-X2.41

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For additional information see MACHINIST, METAL (ARMY TRADE GROUP C).

## MACHINIST, WOOD (ARMY TRADE GROUP C)

Operates woodworking machinery to fabricate wooden articles: cuts, shapes, fits and assembles wood sections from blueprints and drawings, using woodworking machines, carpenter's hand tools and such power equipment as sander, circular saw, jig saw, band saw, wood lathe and bench grinder; keeps in order and adjusts tools; maintains and lubricates line shafting and simple woodworking tools; sharpens all woodcutting tools, both hand and machine; keeps woodworking shops clean.

Must have knowledge of simple arithmetic. Must be able to distinguish between different woods. Must know the various types of joints made with wood and how to give wood various finishes.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BAND-RIPSAW OPERATOR (woodworking).....	6-33.211
BENCH GRINDER (any industry).....	6-77.710
BORER TENDER, AUTOMATIC (wooden articles turned & shaped, & other wooden goods).....	8-33.02
CARPENTER, FLASK (foundry).....	6-82.610
CASE TOPPER (furniture).....	6-36.710
COMBINATION SANDER (planing mill).....	6-33.112
MILLMAN APPRENTICE (woodworking).....	7-99.820
WOOD-LETTER CARVER (wooden articles turned & shaped, & other wooden goods).....	6-33.367
WOODEN-FRAME BUILDER (mattress & bedspring).....	6-36.448

#### II Occupations requiring brief additional training to learn to operate, and for some jobs set up, machines which may be unfamiliar:

BAND-SCROLL-SAW OPERATOR (woodworking).....	6-33.212
BORING-MACHINE OPERATOR, VERTICAL (woodworking).....	6-33.411
CHUCKING-MACHINE OPERATOR (furniture; wooden articles turned & shaped, & other wooden goods).....	6-33.361
DADO OPERATOR (woodworking).....	6-33.313
MOUNTER (furniture).....	6-36.970
PATTERNMAKER, WOOD (foundry; planing mill).....	5-17.020
VARIETY-LATHE OPERATOR (wooden articles turned & shaped, & other wooden goods).....	6-33.372
VARIETY-SAW OPERATOR (woodworking).....	6-33.224

#### III Occupations requiring considerable additional training to learn operation of intricate machines; or in precision assembly and fabrication of wooden toys:

BORING-MACHINE OPERATOR, MULTIPLE SPINDLE (woodworking).....	6-33.412
CONDUIT-HEADER OPERATOR (wood preserving).....	6-33.361
DOVETAIL-MACHINE OPERATOR (automobile manufacturing; furniture).....	6-33.314
DOWELING-MACHINE OPERATOR (furniture).....	6-33.921
MATCHER OPERATOR (woodworking).....	6-33.463
SET-UP MAN, BOTTLE-BOX MACHINE (wooden box).....	5-83.312
TOY MAKER, WOOD (toys, games, & playground equipment).....	5-13.011

### RELATED FIELDS OF WORK

Miscellaneous Wood Machining.....	4-X2.029
Miscellaneous Woodworking Machine Tending.....	6-X2.429
Wood Lathe Work.....	4-X2.021

## MACHINIST, WOOD (ARMY TRADE GROUP B)

In addition to duties of Machinist, Wood (Group C), cuts and shapes wood on woodworking machines: fabricates various lumber products such as sashes, window and door frames, doors, dressed lumber and furniture parts, using carpenter's hand tools, and woodworking machines such as planer, shaper, slotter, jointer, and hand or power-driven saws; cuts lumber to desired dimensions with band or circular rip saw or lumber sizer; cuts light straight work such as flooring, ceiling, siding, decking and furniture parts on a moulding machine; makes simple wooden patterns; forges and grinds tools required, heat treating them for woodworking purposes; welds band saws; lays out work in shop.

Must have knowledge of the strengths and weights of various woods. Must know the feeds and speeds for working different kinds of woods on various machines. Must have knowledge of timber storage, seasoning and preservation.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

DOOR MAKER (planing mill).....	6-34.040
FRAME MAKER (planing mill).....	6-34.070
LAY-OUT MAN (woodworking).....	4-33.912
MAINTENANCE MECHANIC (any industry).....	5-83.641
MOLDER OPERATOR (woodworking).....	6-33.464
PLANER OPERATOR (woodworking).....	4-33.461
SAW FILER, HAND (any industry).....	7-84.230
SAW FILER, MACHINE (any industry).....	7-84.240
WOOD TURNER (woodworking).....	4-33.363

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#### II Occupations requiring brief additional training in fabrication of high grade articles of furniture; or in the use of new machines, processes and materials:

DOWEL-INSERTING-MACHINE OPERATOR, AUTOMATIC (planing mill).....	6-33.916
DOWEL-MACHINE OPERATOR (furniture; planing mill; wooden articles turned & shaped, & other wooden goods).....	6-33.913
KILN OPERATOR (III) (woodworking).....	4-33.911
KNOCK-UP MAN, SASH AND DOOR (planing mill).....	6-34.110
MILLMAN (woodworking).....	4-33.914
ROUTER OPERATOR (I) (furniture; planing mill).....	4-33.411
UNIVERSAL-WOODWORKING-MACHINE OPERATOR (woodworking).....	4-33.311

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#### III Occupations requiring considerable additional training in fine wood-working; or in violin making and inlaying:

AIRPLANE WOODWORKER (aircraft manufacturing).....	4-33.916
CABINETMAKER (I) (woodworking).....	4-32.100
CARVER, HAND (furniture; planing mill).....	4-33.361
MARQUETRY WORKER (furniture).....	4-32.200
STRINGED-INSTRUMENT REPAIRMAN (any industry).....	5-83.223
VENEER MATCHER (furniture).....	4-39.471
VIOLIN MAKER, HAND (musical instruments & parts).....	5-13.353

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### RELATED FIELDS OF WORK

All-Around Cabinet, Pattern, or Model Making (Wood).....	4-X6.320
Wood Forming (Hand or Power Tool).....	4-X6.328

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For additional information see MACHINIST, WOOD (ARMY TRADE GROUP C).



## MASON (ARMY TRADE GROUPS C and B)

Builds and repairs stone structures: lays out work from drawings; trims, faces, cuts and surfaces stones to proper size, shape or finish, using hammer and hammer points; mixes and spreads mortar; places and aligns stones in position, with square, level and plumb bob; lays corner-stones and keystones, constructs masonry arches, walls, incinerators and drains. Mason (Group B) estimates time and materials required.

Must know type of stone to use on a particular construction.

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### RELATED CIVILIAN EMPLOYMENT

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**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training:

BAT-IN MAN (construction).....	7-24.620
CEMENT-BLOCK MOLDER (concrete products).....	6-67.610
MORTAR MIXER (construction).....	7-32.114
STONE DRESSER (marble, granite, slate, & other stoneworking).....	4-68.200
STONEMASON (construction).....	5-24.210
TELFORD-BASE WORKER (construction).....	7-24.640
TILE-SETTER HELPER (construction).....	7-32.543
TUCK POINTER (construction).....	5-24.030
WALL BUILDER (metal mining).....	7-22.950

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#### II Occupations requiring brief additional training in methods of laying brick and tile; or in techniques of carving and shaping stone with hand tools:

BED SETTER (marble, granite, slate, & other stoneworking).....	6-69.310
BRICKLAYER (construction).....	5-24.010
BRICKLAYER, MAINTENANCE (any industry).....	5-24.010
BRICKLAYER, PAVING BRICK (construction).....	7-24.610
CORK INSULATOR, INTERIOR SURFACE (construction).....	5-33.210
MARBLE SETTER (construction).....	5-24.310
MONUMENT SETTER (marble, granite, slate, & other stoneworking).....	7-24.210
TILE SETTER (construction).....	5-24.410

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#### III Occupations requiring considerable additional training in carving, splitting and cutting marble, granite and other stone; or in techniques of applying plaster and stucco; or in moulding clay and ornamental plaster:

CEMENT FINISHER (construction).....	5-26.100
COPER, HAND (marble, granite, slate, & other stoneworking).....	6-69.320
PAVING-BLOCK CUTTER (marble, granite, slate, & other stoneworking).....	4-69.310
PLASTER MOLDER (model & pattern).....	5-13.454
PLASTERER (construction).....	5-29.100
PLASTERER, MOLDING (construction).....	5-29.200
PRESSER, HAND (IV) (pottery & porcelain ware).....	4-66.451
STONE CARVER (construction; marble, granite, slate, & other stone-working).....	4-68.100
STONE REPAIRER (marble, granite, slate, & other stoneworking).....	6-69.380
STONECUTTER, HAND (II) (marble, granite, slate, & other stoneworking).....	4-68.200
STUCCO MASON (construction).....	5-29.300

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### RELATED FIELDS OF WORK

Bricklaying.....	4-X6.232
Miscellaneous Stone or Glass Structural Work.....	6-X4.239
Stone Setting.....	4-X6.231

## MASSEUR (ARMY TRADE GROUPS C, B, and A)

Massages patient to improve circulation, break down adhesions, reduce swellings or to stretch contracted tendons: rubs, kneads, strokes, wrings, pulls and vibrates the patient's body; uses oil, alcohol or liniment to massage patient's body; administers hot baths; instructs and supervises patients in reducing, corrective or other physical exercises; massages wasted muscles or scarred tissue.

Must have a certificate of qualification as a masseur from a recognized school of massage or physiotherapy. Should have a general knowledge of anatomy.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

COOLING-ROOM ATTENDANT (personal service).....	2-43.24
HOT-ROOM ATTENDANT (personal service).....	2-43.23
MASSEUR (personal service).....	0-52.41
RUSSIAN RUBBER (personal service).....	2-43.21
TURKISH RUBBER (personal service).....	2-43.22

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#### II Occupations requiring brief training to learn the operation of mechanical or electrical appliances used in giving therapeutic treatment; or in rendering other personal services:

ASYLUM ATTENDANT (medical services).....	2-42.30
BEAUTY OPERATOR (personal service).....	2-32.15
ELECTROTHERAPIST (medical services).....	0-52.81
HYDROTHERAPIST (medical services).....	0-52.82
MECHANOTHERAPIST (medical services).....	0-52.21
MORGUE MAN (medical services).....	2-42.50
SCALP-TREATMENT OPERATOR (personal service).....	2-32.21

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#### III Occupations requiring considerable additional training in the techniques of chiropody, chiropractory, occupational or recreational therapy. (May be required to possess a licence in some localities):

CHIROPODIST (medical services).....	0-52.01
CHIROPRACTOR (medical services).....	0-42.10
EMBALMER (personal service).....	0-65.10
OCCUPATIONAL THERAPIST (medical services).....	0-32.04
PHYSICAL THERAPIST; <i>Physiotherapist</i> , (medical services).....	0-52.22
RECREATIONAL THERAPIST (medical services).....	0-32.05

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### RELATED FIELDS OF WORK

Adult Care.....	2-X5.6
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## MASTER GUNNER (ARMY TRADE GROUP A)

Supervises work and ensures compliance with all regulations in armament sub-district: supervises accounting and stores records for all Ordnance, ammunition, radar, small arms and associated stores in armament sub-district, prepares and submits regular reports, and maintains a variety of miscellaneous records; supplies information as required for gunnery problems, such as "table of angles", "tide correction tables", etc.; supervises shell and cartridge magazine, the moving, mounting, and dismounting of heavy armament and stores, the storage, transportation, and destruction of ammunition, and the care and preservation of all artillery equipment; accompanies District Officer on periodical audit inspection, and may assist in instruction and inspection of all unit equipment.

Must have thorough knowledge of all Coastal Defence electrical apparatus and instruments, and range and position finding instruments and installations; of the care of all Ordnance mechanisms; and of the care and testing of all ammunition used in land service. Must be able to solve problems involving algebra, geometry, trigonometry, log tables, and slide rule. Must have good knowledge of lubricants and lubricating systems. Must be thoroughly familiar with stresses and strains of cordage, blocks, tackles, crab capstans, and jacks, to allow for safety margins in the movement of heavy armament. Must have completed a Master Gunner's Course in Canada or at the Military College of Science, England.

Will have held the rank of Warrant Officer (Class I or II).

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training:

ACCOUNTANT, STOREHOUSE (professional & kindred).....	0-01.10
MAGAZINE KEEPER (ammunition & related products; explosives).....	1-38.03
MANAGER, STOCKROOM (clerical & kindred).....	1-38.50
RECEIVING-AND-SHIPPING SUPERVISOR (chemical).....	5-91.890
SHIPPING CLERK (I) (clerical & kindred).....	1-34.13
STATISTICAL CLERK (clerical & kindred).....	1-36.01
WAREHOUSE FOREMAN (motor vehicle transportation).....	5-95.020

#### II Occupations requiring brief additional training in the examination of accounts or books; or in classroom techniques; or in the testing of small arms, bombs, artillery weapons, ammunition and analysis of findings:

AUDITOR (professional & kindred).....	0-01.60
DRAFTSMAN, MAP (professional & kindred).....	0-48.15
ELECTRICIAN (any industry).....	4-97.010
INSTRUCTOR, MATHEMATICS (education & instruction).....	0-32.30
INSTRUCTOR, VOCATIONAL TRAINING (education & instruction)...	0-32.30
ORDNANCE MAN (ammunition & related products; explosives).....	0-50.52
PROOF TECHNICIAN (ammunition & related products; firearms & guns)	0-50.56
TESTING-MACHINE OPERATOR (II) (firearms & guns).....	4-93.773

#### III Occupations requiring considerable additional training in the examination of machine parts and use of special measuring devices; or in the use of machine and hand tools; or technical training in industrial engineering:

BUSINESS-MACHINE INSPECTOR (office machines).....	4-94.411
INSPECTOR (machine shop).....	4-78.671
MACHINIST, BENCH (machine shop).....	4-75.120
MECHANICAL INSPECTOR (petroleum & natural gas production).....	5-76.310
PURCHASING AGENT (any industry).....	0-91.60
SAFETY ENGINEER (professional & kindred).....	0-18.01
SPECIFICATION WRITER, ENGINEERING (professional & kindred)...	0-68.61
STATISTICAL TECHNICIAN (professional & kindred).....	0-28.30

### RELATED FIELDS OF WORK

Business Relations Work and Related.....	0-X7.1
Electrical Wiring and Related.....	4-X6.181
Equipment and Material Checking.....	1-X2.8
Mechanical Testing.....	4-X6.386



## MECHANIC (REFRIGERATION PLANT) (ARMY TRADE GROUP A)

Installs and maintains all types of refrigeration equipment: installs and assembles condensers, compressors and motors; assembles and connects pipes and ducts; checks newly-installed refrigeration plant for oil and refrigerant, tests electrical circuit for voltage, detects leaking refrigerant by using detector appropriate for particular refrigerant employed, and checks thermostatic controls for proper adjustment; in maintenance of refrigeration equipment checks and repairs expansion valves; adjusts thermostatic controls; does minor electrical wiring and maintains electric motors; solders and installs copper tubing; repairs compressors; refills plants with refrigerant and checks for leaks.

Must qualify as Electrician (Group A). Must have mechanical experience and ability.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

ELECTRICAL-APPLIANCE SERVICEMAN (any industry).....	5-83.041
ELECTRICAL REPAIRMAN (any industry).....	4-97.420
ELECTRICIAN (any industry).....	4-97.010
GAS-REFRIGERATOR SERVICEMAN (any industry).....	5-83.032
REFRIGERATING-ENGINEER ASSISTANT (any industry).....	5-72.310
REFRIGERATION MECHANIC (any industry).....	5-83.941
REFRIGERATOR INSTALLER (refrigerator & refrigerating & ice-making equipment).....	6-94.513
REFRIGERATOR TESTER (refrigerator & refrigerating & ice-making equipment).....	4-94.512

#### II Occupations requiring brief additional training in operation or repair of air compressors; or in methods of pipefitting or plumbing; or in the operation or repair of pumps and pump power units:

AIR-COMPRESSOR MECHANIC (railroad locomotive & car building & repairing).....	7-79.010
COMPRESSOR ENGINEER, CAISSON (construction).....	5-72.910
ELECTRICIAN, SHIP (ship & boat building & repairing).....	4-97.210
PIPE FITTER (construction).....	5-30.010
PIPEMAN, FURNACE COOLING (iron & steel).....	6-92.003
PLUMBER (construction).....	5-30.210
PUMP SERVICEMAN (any industry).....	5-83.641

#### III Occupations requiring considerable additional training in the operation and maintenance of pumps, compressors, boilers, engines, or other mechanical equipment; or technical training in mechanical or electrical engineering:

ACID-CONCENTRATION-PLANT-EQUIPMENT ENGINEER (petroleum refining).....	5-72.010
AIR-CONDITIONING ENGINEER (professional & kindred).....	0-19.01
ELECTRICAL ENGINEER (professional & kindred).....	0-17.01
ENGINEER; <i>Marine Engineer</i> (water transportation).....	0-88.24
MAINTENANCE ENGINEER (any industry).....	5-72.020
OPERATING ENGINEER (IV) (construction).....	5-23.910
REFRIGERATING ENGINEER (any industry).....	5-72.310

### RELATED FIELDS OF WORK

Electrical Equipment Repairing.....	4-X6.183
Engine and Pump Maintenance and Repairing.....	4-X2.102
Miscellaneous Mechanical Repairing.....	4-X2.109
Plumbing and Related.....	4-X6.217

## MECHANIC (TIRE MAINTENANCE) (ARMY TRADE GROUPS C, B, and A)

Operates all types of tire repair and recapping equipment necessary to maintain tires and tubes in good condition: checks condition of tires on vehicles for proper inflation, rotation, wheel alignment or replacement; inspects tires to determine suitability and extent of repair necessary; prepares tires for recapping or sectional rebuilding; builds up sectional parts preparatory to repair; operates section vulcanizing mould, recapping equipment, buffers, skivers, power stitchers and tread roller; reseats valve stems; changes and fits any size tire.

Should have a working knowledge of tire building and curing.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### **I Occupations not requiring additional training:**

TIRE BUILDER (automotive services).....	7-89.421
TIRE INSPECTOR (automotive services).....	7-89.422
TIRE MOLDER (automotive services).....	7-89.423
TIRE REPAIRER (rubber tire & tube).....	4-57.212
TIRE REPAIRMAN (automotive services).....	7-89.425
TIRE TRIMMER (automotive services).....	8-57.24
TIRE VULCANIZER (automotive services).....	7-89.424
TREAD CUTTER, HAND (automotive services).....	7-89.426
TREAD CUTTER, MACHINE (automotive services).....	7-89.427

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#### **II Occupations requiring brief additional training in industrial methods of inspecting tires; or in methods of cementing and glueing together materials other than rubber:**

ASBESTOS WORKER, GENERAL (construction).....	5-33.110
CEMENTER (garment).....	6-27.984
LINOLEUM LAYER (construction; retail trade).....	7-59.230
TIRE CLASSIFIER (rubber tire & tube).....	4-57.211
TIRE INSPECTOR (rubber tire & tube).....	4-57.213
REFRIGERATION INSULATOR (refrigerator & refrigerating & ice-making equipment).....	6-39.561
SOUNDPROOFING CUTTER (aircraft manufacturing).....	7-03.550

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#### **III Occupations requiring considerable additional training in industrial methods of manufacturing rubber tires and tubes, or rubber hose or stamps:**

BANBURY MIXER (rubber goods).....	6-57.015
BEAD BUILDER (rubber tire & tube).....	6-57.072
HOSE MAKER (rubber goods).....	4-57.611
MILLMAN (rubber tire & tube).....	6-57.013
POT-HEATER TENDER (rubber tire & tube).....	4-57.161
RUBBER COMPOUNDER (rubber goods).....	6-57.012
RUBBER-STAMP MAKER (printing & publishing).....	6-57.931
TIRE BUILDER, CORE (rubber tire & tube).....	4-57.112
TIRE BUILDER, DRUM (rubber tire & tube).....	4-57.111

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### RELATED FIELDS OF WORK

Heat Treating, Plastic Materials.....	4-X6.645
Miscellaneous Fabric or Leather Working (Hand or Hand Tool).....	6-X4.359
Rubber Working.....	4-X6.357

## MECHANIC (X-RAY) (ARMY TRADE GROUP A)

Repairs and maintains X-ray equipment: examines and tests equipment to locate electrical or mechanical defects; dismantles equipment and repairs or replaces defective parts, using mechanic's and electrician's hand tools; calibrates equipment. May act as technical adviser in the installation, operation and maintenance of X-ray equipment.

Must have qualified as a Radiographer (Group A or B). Must have complete knowledge of X-ray physics, electrical circuits and manifestations of X-ray trouble.

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### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

#### I Occupations requiring brief on-the-job training:

RADIO TECHNICIAN HELPER (radio manufacturing).....	6-98.220
TRANSFORMER ASSEMBLER (radio manufacturing).....	6-98.240
TRANSFORMER INSPECTOR (radio manufacturing).....	8-98.01

#### II Occupations requiring brief additional training in radio and electrical appliance assembling:

COMMUTATOR ASSEMBLER (electrical equipment).....	4-99.161
ELECTRICAL-APPLIANCE SERVICEMAN (any industry).....	5-83.041
ELECTRICAL ASSEMBLER (II) (electrical equipment).....	6-78.634
ELECTRICAL-INSTRUMENT REPAIRMAN (any industry).....	5-83.975
RADIO-EQUIPMENT ASSEMBLER, SPECIAL (radio manufacturing)...	4-98.050
RADIO-TRANSMITTER ASSEMBLER (radio manufacturing).....	6-98.310

#### III Occupations requiring considerable additional training in industrial methods of inspecting electrical or radio equipment, or in the use of special measuring devices:

CONDENSER TESTER (radio manufacturing).....	6-98.060
ELECTRIC-METER TESTER (light, heat, & power).....	5-83.452
ELECTRICAL ADJUSTER (electrical equipment).....	5-00.933
ELECTRICAL TESTER (radio manufacturing).....	4-98.010
ELECTRICIAN, RADIO (any industry).....	5-83.445
RADIO MECHANIC (any industry).....	5-83.447
RECEIVER TESTER (radio manufacturing).....	4-98.060
TRANSMISSION MAN (motion picture).....	5-56.040

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### RELATED FIELDS OF WORK

Electrical Unit Assembling (Including Instrument Repair).....	4-X6.308
Electrical Wiring and Related.....	4-X6.181



## MECHANIST (ARMY TRADE GROUP A)

Directs and supervises repairs and maintenance of workshop and construction equipment; examines and inspects all types of machines, equipment and accessories and determines repairs necessary to keep them serviceable; issues instructions accompanied by sketches, drawings or blueprints necessary for repairing or rebuilding machines, accessories, and equipment; inspects all rebuilt or repaired equipment to insure proper workmanship.

Must have a knowledge of practical mathematics and engineering draughting. Must have a good knowledge of internal combustion engines. Must know fuels, and oils for lubrication. Must have a good knowledge of batteries and use of electrical instruments and test apparatus. Must be able to carry out demolition of machines. Must be able to diagnose trouble in mechanical and electrical equipment in the shop. Must be able to direct and supervise repairing and reconditioning of all workshop equipment. Must be able to instruct in all phases of the work.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

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#### I Occupations requiring brief on-the-job training to become familiar with types of machines to be repaired:

MACHINIST (machine shop).....	4-75.010
MACHINIST, BENCH (machine shop).....	4-75.120
MAINTENANCE MECHANIC (any industry).....	5-83.641
MASTER MECHANIC, MAINTENANCE (any industry).....	5-83.621
MILLWRIGHT (any industry).....	5-78.100
OPERATING ENGINEER (IV) (construction).....	5-23.910

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#### II Occupations requiring brief additional training to learn to set up rigging and hoisting equipment; or to learn to inspect finished machined products:

MACHINE-PARTS INSPECTOR (agricultural equipment).....	4-94.343
MAGNAFLUX INSPECTOR (machine shop).....	4-78.674
RIGGER (any industry).....	5-88.040
RIGGER (cement; construction).....	5-88.020
RIGGER (motor vehicle transportation).....	5-95.020
SALVAGE INSPECTOR (any industry).....	5-79.040

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#### III Occupations requiring considerable additional training to learn to operate and maintain a wide variety of mechanical equipment:

BRIDGE OPERATOR; <i>Bridge Tender</i> (railroad transportation).....	2-62.30
ENGINEER; <i>Machine Engineer</i> (water transportation).....	0-88.24
HOISTING ENGINEER (any industry).....	5-73.520
HOT-MILL ENGINEER (iron and steel).....	5-72.050
MAINTENANCE ENGINEER (any industry).....	5-72.020
POWER-HOUSE ENGINEER (any industry).....	5-51.010
REFRIGERATING ENGINEER (any industry).....	5-72.310

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### RELATED FIELDS OF WORK

All-Around Mechanical Repairing.....	4-X2.100
Managerial Work, Manufacturing.....	0-X8.41
Mechanical or Metal Unit Installing.....	4-X6.210
Miscellaneous Structural Crafts.....	4-X6.209

## MECHANIST, COXSWAIN (ARMY TRADE GROUP A)

Takes command of small coastal vessel, and operates and repairs Diesel and gasoline marine engines; gives orders to entire crew; signals propulsion requirements to engine room; steers or directs steering; in carrying out repairs on Diesel and gasoline marine engines, removes and replaces engine block as an assembly, detects faulty running and locates knocks, dismantles engine and cleans, decarbonizes, or replaces parts, adjusts controls, rebore cylinders, grinds valves, replaces valve springs, adjusts tappets, fits piston rings, checks and assembles timing gears, remakes oil, fuel and water joints, dismantles and repairs fuel, oil, and water pump assemblies, magnetos, and injectors.

Must have Coastwise and Tugboat Master's certificate. Must be able to use hand or power-operated lubrication equipment.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

AUTOMOBILE MECHANIC, DIESEL ENGINE (automobile manufacturing; automotive services).....	5-81.650
DIESEL-ENGINE ERECTOR (engine & turbine).....	4-75.120
DIESEL MECHANIC (any industry).....	5-83.931
ENGINEER (fishing).....	0-88.25
GAS-ENGINE REPAIRMAN (any industry).....	5-83.652
TRACTOR MECHANIC (any industry).....	5-81.040
TUGBOAT CAPTAIN (water transportation).....	0-88.02

#### II Occupations requiring brief additional training in the installation, operation, inspection or repair of stationary engines, turbines, generators, boilers, pumps, or other types of mechanical equipment:

AIRCRAFT-ENGINE MECHANIC (air transportation).....	5-80.130
CONSTRUCTION-EQUIPMENT MECHANIC (construction).....	5-83.641
DIESEL-PLANT OPERATOR (light, heat, & power).....	5-51.122
ENGINE REPAIRMAN (railroad locomotive & car building & repairing).....	5-79.050
ENGINEER (water transportation).....	0-88.24
MACHINIST, OUTSIDE (ship & boat building & repairing).....	4-75.150
MAINTENANCE ENGINEER (any industry).....	5-72.020
POWER-HOUSE ENGINEER (any industry).....	5-51.010
POWERMAN (III) (telephone & telegraph).....	5-51.510

#### III Occupations requiring considerable additional training in the supervision of the operation or repair of ship's equipment; or in the direction of the movement of freight between yards and ships; or in piloting large ships; or technical training in mechanical engineering:

DESIGN ENGINEER, MECHANICAL (professional & kindred).....	0-19.01
ENGINEER, CHIEF, MARINE (water transportation).....	0-88.21
FLOAT MASTER (water transportation).....	0-98.82
HARBOUR MASTER (governmental services).....	0-94.96
MARINE ENGINEER (professional & kindred).....	0-19.01
PORT ENGINEER (water transportation).....	0-88.22
SHIP PILOT (water transportation).....	0-88.31

### RELATED FIELDS OF WORK

Mechanical Repairing and Related.....	4-X2.10
Navigation Work.....	3-X8.70

## MECHANIST (ELECTRICAL) R.C.E. (ARMY TRADE GROUP A)

Supervises electricians in installation, maintenance and repair of electrical equipment; operates power station and sub-station; repairs and maintains conversion machinery, motor generators, motor convertors, rotary convertors, rectifiers, transformers, switchgear and electrical instruments; tests and maintains wiring in electrical apparatus, buildings and vehicles; plans and estimates new electrical installations; lays out and erects power lines; uses electrical handbooks and complete set of electrician's tools; trains electrician apprentices.

Must have qualified as Electrician (Group A). Must have a knowledge of electrical equipment. Must know electrical wiring code. Must know power transmission and distribution. Should have a good knowledge of Engineer Stores. Must have a good knowledge of machinery demolition.

### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

#### I Occupations requiring brief on-the-job training:

ELECTRIC-MOTOR ANALYST (any industry).....	5-83.431
ELECTRICAL ADJUSTER (electrical equipment).....	5-00.933
ELECTRICAL-APPLIANCE SERVICEMAN (any industry).....	5-83.041
ELECTRICAL ASSEMBLER (refrigerator & refrigerating & ice-making equipment).....	5-00.511
ELECTRICIAN (any industry).....	4-97.010
ELECTRICIAN, AUTOMOTIVE (automotive services).....	5-81.420
LINEMAN (light, heat, & power).....	5-53.420
PROTECTIVE-SIGNAL INSTALLER (telephone & telegraph).....	5-53.031
STATION INSTALLER, SENIOR (telephone & telegraph).....	5-53.040
TRANSMISSION MAN (motion picture).....	5-56.040

#### II Occupations requiring brief additional training in methods of installing and repairing electrical wiring, fixtures or equipment for airplanes, motion pictures, buildings or industrial establishments:

BOARDMAN (motion picture).....	4-97.110
ELECTRICIAN, AIRPLANE (aircraft manufacturing).....	4-97.910
ELECTRICIAN, CHIEF (any industry).....	4-97.420
ELECTRICIAN, CONDUIT INSTALLATION (construction).....	4-97.010
ELECTRICIAN, POWER-HOUSE (light, heat, & power).....	4-97.510
ELECTRICIAN, RADIO (any industry).....	5-83.445
OVERHEAD MAN (motion picture).....	4-97.130
TRANSFORMER REBUILDER (any industry).....	4-97.171
TRANSMISSION ENGINEER (telephone & telegraph).....	5-53.920

#### III Occupations requiring considerable additional training in construction and operation of electrical equipment; or in planning and designing wire and cable systems; or in study of light and its use in homes or industrial plants; or in educational methods:

CABLE ENGINEER (telephone & telegraph).....	0-17.02
COMMUNICATION ENGINEER (light, heat, & power).....	0-61.85
ELECTRICAL ENGINEER (professional & kindred).....	0-17.01
HOME-LIGHTING ADVISER (light, heat, & power).....	0-66.98
INSTRUCTOR, ELECTRICAL SCHOOL (education & instruction).....	0-11.50
LIGHTING EXPERT (light, heat, & power).....	0-17.01
LINE-CONSTRUCTION ENGINEER (telephone & telegraph).....	0-17.01
MOTOR-ROOM-CONTROL MAN, CHIEF (light, heat, & power).....	4-97.510
RIGHT-OF-WAY ENGINEER (telephone & telegraph).....	0-16.01

### RELATED FIELDS OF WORK

Electrical Engineering and Related.....	0-X7.48
Electrical Equipment Repairing.....	4-X6.183
Electrical Wiring and Related.....	4-X6.181
Structural Engineering and Related.....	0-X7.42



## MECHANIST (MACHINERY) R.C.E. (ARMY TRADE GROUP A)

Takes charge of installation and maintenance of all mechanical equipment in Corps: makes regular surveys of mechanical plants to determine operating conditions of machinery and equipment, and writes report; makes or supervises such adjustments and minor repairs as are necessary to keep them in production capacity; directs repair and recovery of battle-damaged equipment, including earth-moving machinery, stationary or mobile power plants, pumping sets, etc.; makes plans and specifications for new mechanical installations, such as generating sets, pumping sets, heating and plumbing systems, and refrigerating plants; supervises erection and inspects completed installations, making technical adjustments, if required; trains mechanical personnel; keeps records and logs of all internal combustion and compression ignition engines.

Must have working knowledge of practical mathematics and engineer draughting, of engineer stores procedure, and of workshop layout and organization. Must have good knowledge of mechanical and heating units, of internal combustion engines, ignition, carburetion, fuel injection equipment, pumping equipment, steam boilers, refrigeration and cold storage plants. Must have working knowledge of fuels and lubrication, transmission of power, heating with water and steam, water purification, and electricity as applied in field generating sets and in automotive equipment. Must be able to operate hand and machine tools. Must have working knowledge of field bakeries, laundries, steam and oil cooking equipment, disinfectors and distillation plants. Must have two years technical school training or have Junior Matriculation standing; and must qualify in Group A of any trade included in an R.C.E. unit.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

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#### I Occupations requiring brief on-the-job training:

DIESEL MECHANIC (any industry).....	5-83.931
MACHINIST, BENCH (machine shop).....	4-75.120
MAINTENANCE MECHANIC (II) (any industry).....	5-83.641
MASTER MECHANIC, MAINTENANCE (any industry).....	5-83.621
MILLWRIGHT (any industry).....	5-78.100
PUMPMAN (petroleum refining).....	7-72.540
REED MAKER (machinery manufacturing).....	4-94.610
STATIONARY ENGINEER (any industry).....	5-72.010

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#### II Occupations requiring brief additional training in the maintenance and repair of construction equipment, refrigeration equipment, power-house equipment, or factory machines and mechanical equipment; or in industrial methods of inspecting mechanical equipment:

ALL-AROUND INSPECTOR (agricultural equipment).....	4-94.341
CONSTRUCTION-EQUIPMENT MECHANIC (construction).....	5-83.641
ELECTRICAL ASSEMBLER (refrigerator & refrigerating & ice-making equipment).....	5-00.511
HYDRAULIC TESTER (air transportation; aircraft manufacturing).....	5-03.840
MAINTENANCE MAN, FACTORY OR MILL (any industry).....	5-83.621
POWERHOUSE REPAIRMAN (electrical equipment).....	4-97.510
REFRIGERATION MECHANIC (any industry).....	5-83.941

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#### III Occupations requiring considerable additional training in the operation of a wide variety of mechanical equipment; or technical training in mechanical engineering:

ENGINEER; <i>Marine Engineer</i> (water transportation).....	0-88.24
INSTALLATION ENGINEER (professional & kindred).....	0-19.01
MAINTENANCE ENGINEER (any industry).....	5-72.020

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**RELATED CIVILIAN EMPLOYMENT****Dictionary of  
Occupational  
Titles - Codes**

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OPERATING ENGINEER (IV) (construction).....	5-23.910
PLANT ENGINEER (professional & kindred).....	0-19.01
POWER-HOUSE ENGINEER (any industry).....	5-51.010
REFRIGERATING ENGINEER (any industry).....	5-72.310

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**RELATED FIELDS OF WORK**

All-Around Mechanical Repairing.....	4-X2.100
Electrical Equipment Repairing.....	4-X6.183
Engine and Pump Maintenance and Repairing.....	4-X2.102
Mechanical Testing.....	4-X6.386

## METEOROLOGICAL OBSERVER (ARMY TRADE GROUPS B and A)

Collects, registers, codes and decodes meteorological observations; works out completely and despatches pilot balloon ascents, surface target and anti-aircraft meteor telegrams; plots tephigrams, other upper air graphs and complete weather charts; maintains and operates meteorological technical instruments; uses ciphering pad to code and decode meteorological telegrams and other information; uses equipment such as slide rules, barometers, barographs, thermometers, thermographs and theodolites.

Must have three months service as Meteorological Observer, R.C.A. and have excellent understanding of security regulations concerning meteorological work. Must know general principles of elementary meteorological theory and be familiar with every item on meteorological broadcasts. Must have knowledge of physics including air pressure, gas laws, resolution of forces, heat and the effect of meteorological conditions on the flight of a projectile.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training:

COOPERATIVE OBSERVER (governmental services).....	1-49.85
GEODETIC COMPUTER (governmental services).....	0-64.40
MAP COLORER (printing & publishing).....	0-44.23
METEOROLOGIST (professional & kindred).....	0-39.51
PHYSICS-LABORATORY ASSISTANT (education & instruction).....	0-50.21
WEATHER-CHART PREPARER (clerical & kindred).....	1-35.04
WEATHER OBSERVER (professional & kindred).....	0-66.88

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#### II Occupations requiring additional training in the use of specific instruments, in draughting, or in elementary surveying:

CHART CLERK (petroleum refining).....	1-35.08
DRAFTSMAN, CONSTRUCTION (professional & kindred).....	0-48.08
DRAFTSMAN, MAP; <i>Map Maker</i> (professional & kindred).....	0-48.15
DRAFTSMAN, TOPOGRAPHICAL (professional & kindred).....	0-48.26
INSTRUMENT MAN (professional & kindred).....	0-64.30
NOTE KEEPER (any industry).....	7-87.300
STATISTICAL-RESEARCH ASSISTANT (professional & kindred).....	0-28.20
STATISTICAL TECHNICIAN (professional & kindred).....	0-28.30
TELEGRAPH OPERATOR (telephone & telgraph).....	1-41.12

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#### III Occupations requiring considerable training in supervising, signalling, or in techniques of measuring and computing distances:

AIRPLANE-DISPATCH CLERK (air transportation).....	1-19.01
AIRPORT-CONTROL OPERATOR (air transportation).....	0-61.60
COMPASS MAN (logging).....	0-64.50
FIRE LOOKOUT; <i>Towerman</i> (governmental services).....	0-68.17
SURVEYOR (professional & kindred).....	0-64.10
SURVEYOR, ASSISTANT (bituminous coal mining).....	0-64.20
TELEGRAPHIC-TYPEWRITER OPERATOR; <i>Teletypist</i> (clerical & kindred).....	1-37.33
TRACER (professional & kindred).....	0-48.31

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### RELATED FIELDS OF WORK

Geographical Science Work.....	0-X7.30
Landscape Drafting and Surveying.....	0-X7.73



## MILLWRIGHT (ARMY TRADE GROUP C)

Dismantles or erects simple machinery such as small lathes, grinding wheels and circular saws; fixes belts to machines; cuts keyway in shaft and pulley and fits key; cuts oil grooves in shaft bearings for lubrication; lubricates machinery.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

MACHINIST APPRENTICE (machine shop).....	7-94.100
MAINTENANCE-MECHANIC APPRENTICE (any industry).....	7-99.020
MILLWRIGHT APPRENTICE (any industry).....	7-99.025
OILER (any industry).....	7-71.010
SPLINER OPERATOR; <i>Spline Grinder</i> (automobile manufacturing; machine shop).....	6-78.051

#### II Occupations requiring brief training in the operation of various metal-working machines:

BORING-MACHINE OPERATOR, AUTOMATIC (machine manufacturing).....	6-78.041
BROACHING-MACHINE OPERATOR (machine shop).....	6-78.051
GEAR-TOOTH ROUNDER (machine shop).....	6-78.131
INTERNAL-KEYSEATING-MACHINE OPERATOR (machine shop)...	6-78.121
MILLING-MACHINE OPERATOR, AUTOMATIC (automobile manufacturing).....	6-78.031
MULTIPLE-SPINDLE-DRILL-PRESS OPERATOR (machine shop)....	6-78.081
TURRET-LATHE OPERATOR, AUTOMATIC (machine shop).....	6-78.021

#### III Occupations requiring additional training in techniques of maintaining and repairing specific machines and equipment:

COMBER SETTER (textile).....	7-83.321
GEAR CHANGER, LOOMS (textile).....	7-83.322
LABELING-MACHINE SET-UP MAN (any industry).....	7-83.312
MACHINE ADJUSTER (any industry).....	7-83.326
MILL DRESSER (grain & feed milling).....	7-83.861
MINE-CAR REPAIRMAN (bituminous coal mining).....	7-83.511
WASHING-MACHINE SERVICEMAN (any industry).....	7-83.011

### RELATED FIELDS OF WORK

All-Around Mechanical Repairing.....	4-X2.100
Mechanical or Metal Unit Installing.....	4-X6.210

## MILLWRIGHT (ARMY TRADE GROUPS B and A)

In addition to duties of Millwright (Group C), plans and supervises installation, erection, dismantling and maintenance of workshop machines and equipment; makes floor plan layout of workshop; strengthens building for installation of machinery, line shafts and counter shafts; using knowledge of strength of steel and of various grades of timber; crates or uncrates machinery; erects from drawings any type of machine, crane or power plant; calculates the size of pulleys required for machines of different speeds; trues and levels machines; makes simple forgings.

Must have passed test for Fitter (Group C) and Carpenter (Group C).

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

MASTER MECHANIC, MAINTENANCE (any industry).....	5-83.621
MILLWRIGHT (any industry).....	5-78.100

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#### II Occupations requiring brief training in methods of installing and setting up heavy machinery and equipment different from that found in Army workshops:

ELEVATOR INSTALLER, ELECTRIC ELEVATOR (construction).....	5-83.351
FURNACE INSTALLER AND REPAIRMAN, HOT AIR (any industry)	5-83.023
MACHINE SET-UP MAN (woodworking).....	5-83.311
OIL-BURNER-INSTALLATION-AND-SERVICE MAN (any industry)...	5-83.024
ORDNANCEMAN (governmental services).....	4-52.481
RIGGER (any industry).....	5-88.040
RIGGER (motor transportation).....	5-95.020

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#### III Occupations requiring additional training in the repair, maintenance and operation of various pumps, motors, turbines or boilers:

COMPRESSOR ENGINEER, CAISSON (construction).....	5-72.910
DIESEL-ENGINE OPERATOR, STATIONARY (any industry).....	5-72.210
ENGINEER (water transportation).....	0-88.24
HOT-MILL ENGINEER (iron & steel).....	5-72.050
LOCK-TENDER (water transportation).....	5-49.104
MAINTENANCE ENGINEER (any industry).....	5-72.020
OPERATING ENGINEER (IV) (construction).....	5-23.910
REFRIGERATING ENGINEER (any industry).....	5-72.310
STATIONARY ENGINEER (any industry).....	5-72.010

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### RELATED FIELDS OF WORK

All-Around Mechanical Repairing.....	4-X2.100
Mechanical or Metal Unit Installing.....	4-X6.210

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For additional information see MILLWRIGHT (ARMY TRADE GROUP C).

## MINER (ARMY TRADE GROUPS C and B)

Operates and maintains drills in driving underground openings to extract ore or rock: sets up and operates drill in face of ore or rock in drift, raise, stope or shaft, using hand or air drills; loads drill holes with requisite amount of explosive; inserts detonator and attaches fuse or electric wire; explodes charge to break mass of rock or ore; arranges for removal of broken rock or ore; installs timbering to support walls or roof of drift, raise or stope for the protection of workers.

Must have thorough knowledge of the handling of explosives. Must know principles of mine ventilation and have general knowledge of safety precautions in mine work. Must be proficient in mine rescue work.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring brief on-the-job training:

BLASTER (bituminous coal mining; metal mining; nonmetal mining; quarrying & sand & gravel).....	5-74.020
BRATTICE MAN (bituminous coal mining; metal mining).....	7-22.810
CHURN-DRILL OPERATOR (bituminous coal mining; metal mining; nonmetal mining; quarrying & sand & gravel).....	5-75.240
DRILLER, HAND (bituminous coal mining; brick, tile, & nonclay refractories).....	7-75.610
JACKHAMMER OPERATOR (metal mining; nonmetal mining; quarrying & sand & gravel).....	7-75.710
MINER (bituminous coal mining).....	5-21.010
MINER; <i>Miner, Hard Rock</i> (metal mining).....	5-21.020
TIMBERMAN (I) (bituminous coal mining; metal mining; nonmetal mining).....	5-22.010
WELL DIGGER (construction).....	7-32.941

#### II Occupations requiring additional training in drill operating and demolition work other than that concerned with mining:

DIAMOND-DRILLER HELPER (bituminous coal mining; construction; metal mining).....	7-75.410
DRILL-PRESS OPERATOR (marble, granite, slate, & other stoneworking).....	6-69.180
DRILLER, MACHINE (II) (bituminous coal mining; metal mining)....	5-75.020
DRILLER, MACHINE (quarrying & sand & gravel).....	7-75.020
SAMPLER (metal mining).....	5-22.120
SHAFT SINKER (bituminous coal mining; metal mining).....	5-21.010
WELL-DRILL OPERATOR (construction).....	5-75.230
WRECKER (construction).....	7-32.671

#### III Occupations requiring considerable training in supervising workers and inspecting mines:

COAL-MINE INSPECTOR (bituminous coal mining).....	0-79.11
DIAMOND DRILLER (bituminous coal mining; construction; metal mining).....	5-75.410
METAL-MINE INSPECTOR (metal mining).....	0-79.12
PILLAR BOSS (bituminous coal mining).....	5-93.210
PIT BOSS (bituminous coal mining).....	5-93.210
SHAFTMAN (II) (bituminous coal mining; metal mining).....	5-22.910
SHIFT BOSS (metal mining).....	5-93.010

### RELATED FIELDS OF WORK

Blasting, Excavating, Mining (Hand Tool).....	4-X6.295
Drilling Machine Operating.....	6-X2.494



## MOTORCYCLIST (NON-TRADE SPECIALIST)

Drives motorcycle for patrol work, traffic control, messenger service, combat or reconnaissance: services motorcycles and performs running maintenance and minor repairs; lubricates machine and takes care of tires and brakes.

Must be capable of operating motorcycle under adverse conditions. Must know how to use maps and compass.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

AIRPORT SERVICEMAN (air transportation).....	7-49.028
AUTOMOBILE-MECHANIC HELPER (automotive services).....	7-81.010
CAR CHECKER (retail trade).....	7-59.510
MOTOR-AND-TRUCK-INSPECTOR HELPER (railroad locomotive & car building & repairing).....	9-05.01
MOTORCYCLE DRIVER, DELIVERY (any industry).....	7-35.200
PARKING-LOT ATTENDANT (automotive services).....	7-60.100
TAXICAB STARTER (motor vehicle transportation).....	7-49.202

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#### II Occupations requiring brief additional training in driving techniques or in methods of repairing a variety of vehicles:

BICYCLE REPAIRMAN (any industry).....	5-83.881
CHAUFFEUR (domestic service).....	7-36.050
MOTORBOAT MECHANIC (any industry).....	5-83.643
MOTORCYCLE REPAIRMAN (automotive services).....	5-81.020
ROUTEMAN; <i>Driver, Salesman</i> (any industry).....	7-35.100
TAXI DRIVER (motor vehicle transportation).....	7-36.040
TOW-BAR DRIVER (automobile manufacturing).....	7-36.030

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#### III Occupations requiring considerable additional training in specialized driving techniques and in methods of maintaining gasoline-motored vehicles other than motorcycles; or in operation of construction equipment:

CONCRETE-MIXING-TRUCK DRIVER (construction).....	7-36.210
DUMP-TRUCK DRIVER (any industry).....	7-36.220
MOTOR-GRADER OPERATOR (construction).....	7-23.020
ROAD-OILING-TRUCK DRIVER (construction).....	7-36.230
TRACTOR OPERATOR (any industry).....	7-36.510
TRAILER-TRUCK DRIVER (any industry).....	7-36.240
TRUCK DRIVER, HEAVY (any industry).....	7-36.250

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### RELATED FIELDS OF WORK

Hauling Machine Operating.....	4-X2.492
Hauling Machine Operating.....	6-X2.492

# MOTOR MECHANIC (FORESTRY) (ARMY TRADE GROUP C)

## (Redesignated VEHICLE MECHANIC (1945))

Drives and makes minor repairs to all types of wheeled and tracked vehicles; lubricates vehicles, power plants and accessories; adjusts brakes, clutches and tracks; makes repairs, using breast, wall, and electric drills, taps and dies; performs brazing and soldering.

Should have practical knowledge of internal combustion engines, both gasoline and Diesel.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>		
AUTOMOBILE-ACCESSORIES INSTALLER (automotive services).....	7-83.981	
AUTOMOBILE-MECHANIC HELPER (automotive services).....	7-81.010	
AUTOMOBILE-SERVICE-STATION ATTENDANT (automotive ser- vices).....	7-60.500	
BRAKE ADJUSTER (automobile manufacturing; automotive services)..	7-81.110	
SOLDER PADDLER (automotive services).....	7-81.540	
TRACTOR OPERATOR (any industry).....	7-36.510	
TRUCK DRIVER, HEAVY (any industry).....	7-36.250	
TRUCK DRIVER, LIGHT (any industry).....	7-36.260	
<b>II Occupations requiring brief additional training to learn the operation of gasoline engines; or to drive one of a variety of vehicles:</b>		
AIR-COMPRESSOR OPERATOR (any industry).....	7-72.580	
BUS DRIVER (motor vehicle transportation).....	5-36.010	
CHAUFFEUR (domestic service).....	7-36.050	
DRIVER (automobile manufacturing).....	7-36.030	
EMERGENCY-VEHICLE DRIVER (medical services; governmental services).....	5-36.020	
TRAILER-TRUCK DRIVER (any industry).....	7-36.240	
VAN DRIVER (motor vehicle transportation).....	7-36.251	
<b>III Occupations requiring additional training in all-around automobile repair:</b>		
AUTOMOBILE-BODY REPAIRMAN, METAL (automobile manufac- turing; automotive services).....	5-81.510	
AUTOMOBILE MECHANIC (automotive services).....	5-81.010	
AUTOMOBILE-RADIATOR MAN (automotive services).....	5-81.530	
BRAKEMAN, AUTOMOBILE (automotive services).....	5-81.120	
BUS MECHANIC (automotive services).....	5-81.035	
CONSTRUCTION-EQUIPMENT MECHANIC (construction).....	5-83.641	
TRACTOR MECHANIC (any industry).....	5-81.040	
WHEEL-ALINEMENT MECHANIC (automotive services).....	5-81.210	

### RELATED FIELDS OF WORK

Combustion Engine Repairing.....	4-X2.103
Hauling Machine Operating.....	4-X2.492
Hauling Machine Operating.....	6-X2.492

# MOTOR MECHANIC (FORESTRY) (ARMY TRADE GROUPS B and A) (Redesignated VEHICLE MECHANIC (1945))

In addition to duties of Motor Mechanic (Forestry) (Group C), examines and determines extent of repairs necessary to wheeled and tracked vehicles according to "Task" system for maintenance of vehicles and power plants: completely overhauls vehicles and engines; inspects, overhauls, replaces parts and adjusts ignition or fuel injection system, starting and lighting, transmission, differential, rear axles, and steering systems; makes use of mechanical workshop equipment such as bench grinders and oxyacetylene welding and cutting equipment; repairs and maintains in good condition tires, tubes and casings.

Must be thoroughly familiar with the design of all power plants and accessories, and wheeled and tracked vehicles on charge to the unit.

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## RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

### I Occupations not requiring additional training:

AUTOMOBILE-GENERATOR REPAIRMAN (automotive services) . . . .	5-81.410
AUTOMOBILE MECHANIC, DIESEL ENGINE (automobile manufacturing; automotive services) . . . . .	5-81.650
AUTOMOBILE MECHANIC, MOTOR (automotive services) . . . . .	5-81.610
AUTOMOBILE TESTER (automotive services) . . . . .	5-81.920
AUTOMOTIVE-TEST-ENGINE MECHANIC (automotive services) . . . .	5-81.050
ELECTRICIAN, AUTOMOTIVE (automotive services) . . . . .	5-81.420
MOTOR ANALYST (automotive services) . . . . .	5-81.620
MOTOR AND CHASSIS INSPECTOR (automobile manufacturing) . . . .	5-81.630

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### II Occupations requiring brief additional training to develop familiarity with types of engines, mechanisms, and methods of repairing other types of transportation equipment:

AIRCRAFT MECHANIC (air transportation) . . . . .	5-80.120
AIRPLANE MECHANIC (air transportation; aircraft manufacturing) . .	5-80.100
BUS MECHANIC (automotive services) . . . . .	5-81.035
CONSTRUCTION-EQUIPMENT MECHANIC (any industry) . . . . .	5-83.641
FARM MECHANIC (agriculture) . . . . .	3-35.10
MOTORBOAT MECHANIC (any industry) . . . . .	5-83.643
TRUCK MECHANIC (automotive services) . . . . .	5-81.030

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### III Occupations requiring considerable additional training to learn to install, maintain and repair engines other than gasoline; or to learn to repair and maintain various types of electrical equipment:

ENGINEER (water transportation) . . . . .	0-88.24
ENGINEER, CHIEF, MARINE (water transportation) . . . . .	0-88.21
MACHINIST, MARINE GAS-ENGINE (ship & boat building & repairing) . .	5-83.642
MACHINIST, OUTSIDE (ship & boat building & repairing) . . . . .	4-75.150
POWERHOUSE REPAIRMAN (electrical equipment) . . . . .	4-97.510
REFRIGERATING ENGINEER (any industry) . . . . .	5-72.310
REFRIGERATION MECHANIC (any industry) . . . . .	5-83.941

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## RELATED FIELDS OF WORK

All-Around Mechanical Repairing . . . . .	4-X2.100
Combustion Engine Repairing . . . . .	4-X2.103
Engine and Pump Maintenance and Repair . . . . .	4-X2.102

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For additional information see MOTOR MECHANIC (FORESTRY) (ARMY TRADE GROUP C).



## MOULDER (ARMY TRADE GROUPS C and B)

Makes sand moulds and pours metal castings: places pattern in suitable moulding box; forms mould by packing and ramming sand around pattern, using a shovel, scoop, trowel, rammer and forming tools; withdraws pattern from mould; patches imperfections in mould; strengthens mould impressions, using flour, water and graphite; pours molten metal into sand moulds to cast metal into desired shape; breaks mould to free casting; cuts gates from casting. May make moulding boxes to hold sand and patterns.

Must be familiar with wet or dry sand and loam moulding. Must understand causes and cures of imperfections in castings such as blowholes, sponginess, shrink-holes, scabbiness, sandholes, floating cores, cold shuts and shrinkage strains. Must have a knowledge of moulding machines and know proper temperatures for casting various types of metal. Must know the shrinkage of various metals. Must be able to distinguish between various metals. Must be able to read blueprints and do simple arithmetic such as fractions and decimals. The Moulder (Group B) must be able to mould and pour jobs such as manifold, Smith's trough, valve body, stem and wheel, small cylinder with covers and valves, or a flanged Venturi tube.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

CLIPPER, FOUNDRY (foundry).....	6-82.910
CORE PASTER (foundry).....	6-82.060
FACING MIXER (foundry).....	6-82.330
MOLDER, BENCH (foundry).....	4-81.010
MOLDER, FLOOR (foundry).....	4-81.030
POURER, CRUCIBLE (foundry).....	6-91.612
SAND MIXER, HAND (foundry).....	6-82.32

#### II Occupations requiring brief additional training to learn to operate industrial moulding or coremaking machines; or in repairing moulds; or in casting metal patterns:

COREMAKER (foundry).....	4-82.010
COREMAKER, MACHINE (foundry).....	6-82.020
MACHINE MOLDER, JARRING (foundry).....	6-81.010
MACHINE MOLDER, SQUEEZE (foundry).....	4-81.050
MACHINE MOLDER, STRIPPING PLATE (foundry).....	6-81.020
MOLDER, FINISH (foundry).....	4-81.020
MOLDER, PATTERN (foundry).....	4-81.040
SAND-CONTROL MAN (foundry).....	4-82.310

#### III Occupations requiring additional training to learn to mould various malleable materials either by hand or by machine:

CASTER (pottery & porcelain ware).....	4-66.454
MANNEQUIN-MOLD MAKER (model & pattern).....	5-13.451
MOLD MAKER (jewelry).....	5-17.310
PATTERNMAKER (aircraft manufacturing).....	5-17.248
PLASTER MOLDER (model & pattern).....	5-13.454
PLASTER-OF-PARIS MOLDER (electrical equipment).....	4-66.411
PLASTER-PATTERN CASTER (aircraft manufacturing).....	5-17.250

### RELATED FIELDS OF WORK

Miscellaneous Metal Working (Hand or Hand Tool).....	6-X4.319
Sand Molding, Coremaking.....	4-X6.343

## NURSING ORDERLY (ARMY TRADE GROUPS C and B)

Under supervision, cares for and attends to needs of sick and maintains cleanliness of the wards and annexes: admits patients; cares for patients' valuables and clothing; discharges or transfers patients; undresses sick and wounded; makes up beds for various purposes such as anaesthetic and operative and post-operative care; gives patients tub or bed baths; feeds helpless patients; takes temperatures, pulse and respiration; administers enemas and catheterizes patients; fills hot water bottles, ice caps and makes simple dressings; keeps wards, floors, lockers, cupboards and windows clean; takes care of glassware and enamelware; sterilizes equipment.

Must have a full knowledge of anatomy and physiology. Must know the aseptic techniques in relation to preparation of instruments and dressing of wounds. Nursing Orderly should have had two months practical experience in hospital.

### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

#### I Occupations not requiring additional training:

ASYLUM ATTENDANT (medical services).....	2-42.30
FIRST-AID ATTENDANT (any industry).....	2-38.10
NURSE, AIDE (medical services).....	2-42.20
NURSE, PRACTICAL (medical services).....	2-38.20
ORDERLY (medical services).....	2-42.10

#### II Occupations requiring brief additional training in techniques and methods of massaging or rendering other personal services; or in driving an ambulance:

AMBULANCE DRIVER (medical services).....	5-36.020
ATHLETIC TRAINER (professional & kindred).....	0-57.31
COOLING-ROOM ATTENDANT (personal service).....	2-43.24
HOT-ROOM ATTENDANT (personal service).....	2-43.23
SCALP-TREATMENT OPERATOR (personal service).....	2-32.21
TURKISH RUBBER (personal service).....	2-43.22

#### III Occupations requiring additional training in medical technology or operation of specific type of apparatus for giving therapeutic treatments:

DENTAL HYGIENIST (medical services).....	0-50.07
ELECTROTHERAPIST (personal service).....	0-52.81
HYDROTHERAPIST (personal service).....	0-52.82
MECHANOTHERAPIST (personal service).....	0-52.21
MEDICAL TECHNICIAN (medical services).....	0-50.01
OXYGEN-THERAPY-EQUIPMENT TECHNICIAN (medical services)...	0-50.03
X-RAY TECHNICIAN (medical services).....	0-50.04

### RELATED FIELDS OF WORK

Adult Care.....	2-X5.6
Nursing and Medical Work.....	0-X7.02

## OCCUPATIONAL THERAPIST ASSISTANT (NON-TRADE SPECIALIST)

Assists Occupational Therapist: provides recreational and occupational activities for patients not requiring special remedial treatment; directs non-specific general occupations and gives instruction in handicrafts; helps in the preparation of materials and in the care of equipment and supplies; reviews the list of patients and their activities with the Therapist. May give assistance with remedial occupations.

Must have completed a one month course in occupational therapy. Must derive satisfaction from working with individuals. Must be pleasant, cheerful, patient, tactful, sympathetic, systematic and orderly. Must be able to work independently as well as member of team.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

ATTENDANT, OCCUPATIONAL THERAPY (medical services).....	2-42.33
CHILD MONITOR (domestic service).....	2-07.01
COMPANION (domestic service).....	2-09.03
FIRST-AID ATTENDANT (any industry).....	2-38.10
NURSE, AIDE (medical services).....	2-42.20
NURSE, PRACTICAL (medical services).....	2-38.20
TURKISH RUBBER (personal service).....	2-43.22

#### II Occupations requiring brief additional training in directing health and body building exercises; or in directing group entertainment; or in techniques of electrotherapy or hydrotherapy:

ATHLETIC TRAINER (professional & kindred).....	0-57.31
COMMUNITY-CENTER WORKER (professional & kindred).....	0-27.40
ELECTROTHERAPIST (personal service).....	0-52.81
HYDROTHERAPIST (personal service).....	0-52.82
INSTRUCTOR, PHYSICAL (education & instruction).....	0-57.41
MASSEUR (personal service).....	0-52.41
PLAYGROUND WORKER (professional & kindred).....	0-27.40

#### III Occupations requiring considerable additional training in organizing and directing camp or recreational activities; or in methods of specialized nursing; or in techniques of occupational or recreational therapy:

DIRECTOR, CAMP (professional & kindred).....	0-27.08
DIRECTOR, PLAYGROUND (professional & kindred).....	0-27.06
DIRECTOR, RECREATION (any industry).....	0-27.11
NURSE, INDUSTRIAL (medical services).....	0-33.42
NURSE, ORTHOPEDICS (medical services).....	0-33.42
OCCUPATIONAL THERAPIST (medical services).....	0-32.04
RECREATIONAL THERAPIST (medical services).....	0-32.05

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### RELATED FIELDS OF WORK

Adult Care.....	2-X5.6
Nursing and Medical Work.....	0-X7.02
Social Welfare Work.....	0-X6.12



## OPERATING ROOM ASSISTANT (ARMY TRADE GROUPS C, B, and A)

Performs a variety of non-professional surgical duties: prepares operating room; cleans, washes and sterilizes equipment and instruments required for each operation; takes care of soiled linen; transports patients to and from operating room and secures patient in suitable position on table; scrubs for minor operations; assists anaesthetists; acts as assistant at ordinary surgical operations; does routine genito-urinary work; makes dressings; applies simple plasters and tourniquets; under supervision administers hypodermic drugs; prepares necessary apparatus for administration of intravenous therapy.

Must be able to use autoclave and water tanks, and must be able to care for anaesthetic equipment and gas machine. Must have knowledge and experience in operating room procedures.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

ATTENDANT, OCCUPATIONAL THERAPY (medical services).....	2-42.33
COOLING ROOM ATTENDANT (personal service).....	2-43.24
DENTIST'S ASSISTANT (medical services).....	1-32.10
FIRST-AID ATTENDANT (any industry).....	2-38.10
HOT-ROOM ATTENDANT (personal service).....	2-43.23
ORDERLY (medical services).....	2-42.10
PHYSICIAN'S ASSISTANT (medical services).....	1-32.20
VETERINARY-HOSPITAL ATTENDANT (medical services).....	2-42.60

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#### II Occupations requiring brief additional training in laboratory work; or in methods of handling the mentally ill; or in the operation of therapeutic apparatus:

ASYLUM ATTENDANT (medical services).....	2-42.30
ELECTROTHERAPIST (personal service).....	0-52.81
HYDROTHERAPIST (personal service).....	0-52.82
MECHANOTHERAPIST (medical services).....	0-52.21
MEDICAL TECHNICIAN (medical services).....	0-50.01
OXYGEN-THERAPY-EQUIPMENT TECHNICIAN (medical services).....	0-50.03
TEACHER, FIRST AID (education & instruction).....	0-32.91

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#### III Occupations requiring considerable additional training in physical and athletic instruction; or in medical technology:

ATHLETIC TRAINER (professional & kindred).....	0-57.31
CHIROPRACTER (medical services).....	0-42.10
INSTRUCTOR, PHYSICAL (education & instruction).....	0-57.41
INSTRUCTOR, SWIMMING (education & instruction).....	0-57.41
INTERNE (medical services).....	0-26.30
NURSE (medical services).....	0-33.26
OSTEOPATH (medical services).....	0-39.96
X-RAY TECHNICIAN (medical services).....	0-50.04

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### RELATED FIELDS OF WORK

Adult Care.....	2-X5.6
Nursing and Medical Work.....	0-X7.02

## OPERATOR (C.A.C.) (ARMY TRADE GROUP C)

Sends and receives messages by radio-telephone and wireless-telegraph from armoured vehicle; establishes and maintains communication, netting both sender and receiver to wavemeter; maintains communication equipment; charges batteries; maintains Operator's log.

Must be able to send and receive messages at a minimum rate of twelve words per minute. Must have received training in elementary electricity. Must be proficient in use of map reference code.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

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<b>I Occupations requiring on-the-job training to become familiar with civilian radio-telephone and telegraph equipment. (May be required to hold a licence):</b>	
RADIOTELEGRAPH OPERATOR (air transportation; telephone & telegraph; water transportation).....	0-61.33
RADIOTELEPHONE OPERATOR (air transportation; water transportation).....	0-61.33
RADIOTELEPHONE-TECHNICAL OPERATOR (telephone & telegraph)	0-61.25
TELEGRAPH OPERATOR (telephone & telegraph).....	1-41.12

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<b>II Occupations requiring additional training to learn to operate one of a variety of telephone switchboards; or to learn to establish or reroute cable circuits:</b>	
CENTRAL-OFFICE OPERATOR (telephone & telegraph).....	1-42.01
DISPATCHER (telephone & telegraph).....	1-41.16
GAMEWELL OPERATOR (governmental services).....	1-41.52
JACKBOARD OPERATOR (telephone & telegraph).....	1-41.14
SWITCHBOARD OPERATOR, POLICE DISTRICT (governmental services).....	1-42.34
TELEPHONE OPERATOR (clerical and kindred).....	1-42.32

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<b>III Occupations requiring considerable training in the methods of installing, maintaining or repairing telegraphic equipment and in the use of unfamiliar hand tools and measuring devices:</b>	
CALL-BOX WIRER (telephone & telegraph).....	7-53.010
LINEMAN, JUNIOR (telephone & telegraph).....	7-53.410
PLANT WIREMAN (telephone & telegraph).....	7-53.020
STATION INSTALLER (telephone & telegraph).....	7-53.030
TICKERMAN (telephone & telegraph).....	7-53.040
TIME-SIGNAL WIRER (telephone & telegraph).....	7-53.050

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### RELATED FIELDS OF WORK

Electrical Equipment Repairing.....	4-X6.183
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## OPERATOR (CHEMICAL PLANT) (ARMY TRADE GROUPS C, B, and A)

Manufactures chemical compounds on pilot plant scale: studies work sheet for process, noting weights and characteristics of chemicals required; weighs out and transfers chemicals to reaction vessels; controls temperature of chemicals in reaction vessels by use of cooling or heating methods; samples materials and takes samples to control laboratory; adjusts reaction to meet specifications; transfers and filters contents of reaction vessel; places chemicals in drier, setting automatic controls at specified temperature; washes and cleans vessels and equipment used; prepares report on operations; checks equipment and makes minor repairs and adjustments as required; uses chemicals, and chemical equipment such as stills, filters, pumps, autoclaves, reaction vessels, dryers, scales, fans, electric motors, hot air circulating units, micronizer, refrigeration units, ball mill, etc.

Operator (Chemical Plant) (Group A) lays out work, supervises workers and acts as plant foreman.

Must be familiar with chemicals and know proper safeguards in the handling of corrosive, inflammable, explosive or highly volatile materials. Should be handy with fitter's tools and be able to perform minor pipefitting jobs. Should understand lubrication, packing and care of machinery and reaction vessels.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I] Occupations not requiring additional training:

ABSORBERMAN (chemical).....	6-52.711
AUTOCLAVE OPERATOR (chemical).....	4-52.711
CHEMICAL-MACHINE OPERATOR (textile).....	6-19.244
CHEMIST, ASSISTANT (professional & kindred).....	0-50.22
CONCENTRATOR MAN (any industry).....	6-51.758
ELECTRIC-CELL MAN (chemical).....	6-52.715
EVAPORATOR OPERATOR (chemical).....	4-51.755
NITRATING-ACID MIXER (explosives).....	6-52.413
RECTIFIER OPERATOR (chemical).....	6-52.714
STILL OPERATOR (druggists' & toilet preparations & medicines).....	6-53.021

#### II Occupations requiring brief additional training in performing tests on petroleum products; or in the treatment of ores; or in the use of various machines used in the production of ammunition and explosives; or in the operation of a gas absorption plant:

ABSORPTION-PLANT OPERATOR (petroleum refining).....	4-55.010
CHEMICAL MIXER (motion picture).....	5-86.010
FORMULA MAN (leather manufacturing).....	0-07.22
MIXER, HAND (druggists' & toilet preparations & medicines).....	4-53.011
NITRATOR OPERATOR (I) (ammunition & related products; explosives).....	6-52.415
NITROGLYCERIN-NITRATOR OPERATOR (explosives).....	4-52.441
OXYGEN-PLANT OPERATOR (compressed & liquefied gases).....	4-52.735
REAGENT MAN (nonferrous metal smelting & refining).....	4-90.021
STYRENE-FINISHING OPERATOR, HEAD (chemical).....	4-51.638
TESTER (petroleum & natural gas production).....	0-50.34

#### III Occupations requiring considerable additional training in performing medical laboratory tests; or in compounding and dispensing medicines; or in techniques of chemical engineering:

CHEMICAL ENGINEER (professional & kindred).....	0-15.01
CHEMIST, ORGANIC (professional & kindred).....	0-07.03
CHEMIST, POLYMERIZATION (plastic materials).....	0-07.03
MANAGER, PRODUCTION (any industry).....	0-97.51
MEDICAL TECHNICIAN (medical services).....	0-50.01
PHARMACIST (professional & kindred).....	0-25.10
PHARMACOGNOSIST (professional & kindred).....	0-07.91

### RELATED FIELDS OF WORK

Biochemical Work.....	0-X7.03
Mixing, Compounding and Extracting, Assorted Materials.....	4-X6.601



## OPERATOR (CIPHER) (ARMY TRADE GROUP C)

Enciphers and decipheres messages, using cipher machines, books and tables: solves machine cipher and book cipher corruptions by normal methods; operates machine at minimum rate of 20 groups per minute, using touch system of typing; classifies, handles and safeguards protected documents; maintains and makes running repairs on cipher machines.

Must know cipher and signal office procedures and their relationship to each other. Must understand most types of code keys. Must have knowledge of procedures for various types and varieties of traffic. Must have knowledge of maps and map reading.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring brief on-the-job training:

CLERK, GENERAL (clerical & kindred) .....	1-04.01
CLERK, GENERAL OFFICE (clerical & kindred) .....	1-05.01
CLERK-TYPIST (clerical & kindred) .....	1-37.34
CODING CLERK (clerical & kindred) .....	1-36.05
TRANSCRIBING-MACHINE OPERATOR; <i>Dictaphone Operator</i> (clerical & kindred) .....	1-37.36
TRUST-SECURITIES CLERK (banking) .....	1-06.61
TYPIST (clerical & kindred) .....	1-37.32
WIRES-TRANSFER CLERK (banking) .....	1-06.62

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#### II Occupations requiring brief additional training in operation of keyboard-operated office machines other than typewriters:

ADDING-MACHINE OPERATOR (clerical & kindred) .....	1-25.12
BILLING-MACHINE OPERATOR (clerical & kindred) .....	1-25.02
BOOKKEEPING-MACHINE OPERATOR (III) (clerical & kindred) .....	1-02.03
STENOTYPE OPERATOR (clerical & kindred) .....	1-37.14
TABULATING-MACHINE OPERATOR (clerical & kindred) .....	1-25.64
TELEGRAPHIC-TYPEWRITER OPERATOR; <i>Teletypist</i> (clerical & kindred) .....	1-37.33
VARITYPIST (clerical & kindred) .....	1-37.38
VERIFIER OPERATOR (clerical & kindred) .....	1-25.66

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#### III Occupations requiring considerable additional training in techniques of computing information for map making; or in the drawing of maps; or in detection of objectionable material in publications:

CENSOR (printing & publishing) .....	0-69.94
CRYPTOGRAPHER (governmental services) .....	0-68.33
DRAFTSMAN, MAP (professional & kindred) .....	0-48.15
EDITING CLERK (clerical & kindred) .....	1-10.11
GEODETIC COMPUTOR (governmental services) .....	0-64.40
TRANSLATOR, BRAILLE (printing & publishing) .....	1-10.14

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### RELATED FIELDS OF WORK

Classifying and Related Work .....	1-X4.0
General Recording Work .....	1-X2.0

## OPERATOR (FIXED WIRELESS STATION) (ARMY TRADE GROUPS C and B)

Transmits and receives cipher code or plain language messages at speed of 18-22 words per minute; transmits and receives messages, using regular or semi-automatic key; types incoming messages, registers messages handled; makes minor repairs and adjustments, such as changing tubes, replacing fuses, adjusting keys, tape and frequencies, using pliers, screwdriver and wrenches. Some operators are required to work on automatic high speed circuits (over 300 words per minute) using a Creed or Kleinschmidt perforator and Boehme transmitter.

Must have good knowledge of Army and commercial procedure for sending and receiving all types of messages by wireless telegraphy. Should know Army organization and security regulations.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring brief on-the-job training in commercial airline regulations or in specific duties of the job:

AIRPORT-CONTROL OPERATOR (air transportation).....	0-61.60
DISPATCHER (air transportation).....	0-61.61
RADIO DISPATCHER (governmental services).....	0-61.20
RADIO OPERATOR (governmental services).....	0-61.30
RADIO OPERATOR (air transportation; telephone & telegraph; water transportation).....	0-61.33
RADIO OPERATOR, FLIGHT (air transportation).....	0-61.32
TELEGRAPHIC-TYPEWRITER OPERATOR; <i>Teletypist</i> (clerical & kindred).....	1-37.33

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#### II Occupations requiring additional training in production methods of assembling and adjusting radio equipment; or methods of inspecting and testing electrical radio parts:

ELECTRICAL TESTER (radio manufacturing).....	4-98.010
PHOTOPHONE ASSEMBLER (radio manufacturing).....	6-98.170
RADIO-AND-ELECTRICAL INSPECTOR (aircraft manufacturing)....	4-97.930
RADIO-CHASSIS ALINER (radio manufacturing).....	4-98.040
RADIO-EQUIPMENT ASSEMBLER, SPECIAL (radio manufacturing)..	4-98.050
RADIO-TRANSMITTER ASSEMBLER (radio manufacturing).....	6-98.310
RECEIVER TESTER (radio manufacturing).....	4-98.060
TESTING-MACHINE OPERATOR (radio manufacturing).....	6-98.290
TROUBLE SHOOTER (VI) (radio manufacturing).....	5-83.413

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#### III Occupations requiring considerable additional training in commercial broadcasting procedures:

CONTROL-ROOM MAN (radio broadcasting).....	0-61.10
CONTROL SUPERVISOR, JUNIOR (radio broadcasting).....	0-66.03
FIELD ENGINEER (radio broadcasting).....	0-61.50
PHOTORADIO OPERATOR (radio broadcasting).....	0-61.70
RADIO ANNOUNCER (radio broadcasting).....	0-69.21
RECORDING ENGINEER (radio broadcasting).....	0-66.01
STUDIO ENGINEER (radio broadcasting).....	0-61.40
TRANSMITTER TESTER (radio manufacturing).....	0-61.80

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### RELATED FIELDS OF WORK

Electrical Engineering and Related.....	0-X7.48
Electrical Unit Assembling.....	6-X4.308
Radio Repairing and Related.....	4-X6.185

## OPERATOR, KEY PUNCH (NON-TRADE SPECIALIST)

Operates key punch machine to punch holes in tabulating cards used in recording accounting and statistical data; places cards to be punched in machine and positions carriage for perforating operation; following written copy, punches corresponding numbers or symbols on machine keyboard, transcribing written information into perforations on tabulating cards. May operate sorting machine and verifying machine.

Must understand duplicating, card feeding and ejecting mechanisms, and use of skip bars, tabular inserts and removal of card stoppage.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

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#### I Occupations not requiring additional training:

CHECKING-MACHINE OPERATOR (clerical & kindred).....	1-25.65
CLERK, GENERAL (clerical & kindred).....	1-04.01
KEY-PUNCH-DUPPLICATOR OPERATOR (clerical & kindred).....	1-25.62
KEY-PUNCH OPERATOR (clerical & kindred).....	1-25.62
SORTING-MACHINE OPERATOR (II) (clerical & kindred).....	1-25.63
TICKET-MACHINE OPERATOR (clerical & kindred).....	1-04.01
VERIFIER OPERATOR (clerical & kindred).....	1-25.66

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#### II Occupations requiring brief additional training to operate keyboard office machines:

ADDING-MACHINE OPERATOR (clerical & kindred).....	1-25.12
ADDRESSING-MACHINE OPERATOR (clerical & kindred).....	1-25.41
BILLING-MACHINE OPERATOR (I) (clerical & kindred).....	1-25.02
BOOKKEEPING-MACHINE OPERATOR (III) (clerical & kindred).....	1-02.03
CALCULATING-MACHINE OPERATOR (clerical & kindred).....	1-25.13
POSTING-MACHINE OPERATOR (II) (clerical & kindred).....	1-02.04
TABULATING-MACHINE OPERATOR (clerical & kindred).....	1-25.64

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#### III Occupations requiring considerable additional training in a variety of clerical duties, such as industrial methods of record keeping, filing, bookkeeping or public contact work:

ACCOUNTING CLERK (I) (clerical & kindred).....	1-01.31
FILE CLERK (clerical & kindred).....	1-17.01
POSTING CLERK (clerical & kindred).....	1-01.43
PRICE CLERK (clerical & kindred).....	1-12.33
RECEPTIONIST (II) (clerical & kindred).....	1-18.43
STATISTICAL CLERK (clerical & kindred).....	1-36.01
TIMEKEEPER (clerical & kindred).....	1-26.03

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### RELATED FIELDS OF WORK

Computing Work.....	1-X1.1
Routine Recording Work.....	1-X2.9



## OPERATOR (KEYBOARD) (ARMY TRADE GROUPS C and B)

Sends and receives written and telegraphic communications using a teletype machine; sends and receives messages on teleprinter at a speed of 20 to 25 groups in fifteen minutes; counts groups and routes messages; sends and receives plain language messages by phonogram; performs duties of signals clerk; sets up teleprinter, connects power-supply and repairs faults; operates telephone and telephone switchboards; sets and reads maps, using protractors and magnetic and prismatic compasses. Certain operators work automatic high speed circuits at a speed of 300 words per minute, using Creed or Kleinschmidt perforator and a Boehme or Creed automatic tape transmitter.

Must have a general knowledge of electricity. Should know principles of teleprinter transmissions. Must know Army organization and security regulations. Should be able to read Morse code at a speed of 20 words per minute.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

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#### I Occupations requiring brief on-the-job training to become proficient in the operation of specific office machines:

CLERK-TYPIST (clerical & kindred).....	1-37.34
MULTIPLY-MACHINE OPERATOR (clerical & kindred).....	1-37.33
TELETYPE OPERATOR; <i>Teletypist</i> (clerical & kindred).....	1-37.33
TELEGRAPHIC-TYPEWRITER OPERATOR (clerical & kindred).....	1-37.33
TELETYPESETTER OPERATOR (printing & publishing).....	1-37.33
TRANSCRIBING-MACHINE OPERATOR; <i>Dictaphone Operator</i> (clerical & kindred).....	1-37.36
TYPIST (clerical & kindred).....	1-37.32
VERIFIER OPERATOR (clerical & kindred).....	1-25.66

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#### II Occupations requiring brief additional training in radio transmitting and receiving; or in use of telegraphic or telephone equipment:

CABLE OPERATOR (telephone & telegraph).....	1-41.17
CENTRAL-OFFICE OPERATOR (telephone & telegraph).....	1-42.01
DISPATCHER (telephone & telegraph).....	1-41.16
RADIO OPERATOR (governmental services; radio broadcasting; water transportation).....	0-61.30
TELEGRAPH OPERATOR (telephone & telegraph).....	1-41.12
TELEGRAPH-REPEATER ATTENDANT (telephone & telegraph).....	5-53.260
TELEPHONE OPERATOR (II) (telephone & telegraph).....	1-42.32

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#### III Occupations requiring considerable additional training in installation and inspection of telegraphic and radio equipment:

AIRPORT-CONTROL OPERATOR (air transportation).....	0-61.60
CONTROL-ROOM MAN (radio broadcasting).....	0-61.10
ELECTRICIAN, OFFICE (telephone & telegraph).....	5-53.295
RADIO DISPATCHER (governmental services).....	0-61.20
TELEGRAPHIC-TYPEWRITER INSTALLER (telephone & telegraph).....	5-53.070
TELEGRAPHIC-TYPEWRITER REPAIRMAN (telephone & telegraph).....	5-53.270
TESTING-AND-REGULATING MAN (telephone & telegraph).....	5-53.910
WIREMAN (VI) (telephone & telegraph).....	5-53.290

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### RELATED FIELDS OF WORK

Electrical Equipment Repairing .....	4-X6.183
General Recording Work.....	1-X2.0

# OPERATOR (KINE-THEODOLITE) (ARMY TRADE GROUPS C, B, and A)

Operates a photographic angle measuring instrument which records shell bursts in relation to anti-aircraft targets; sets up the instrument on pedestal; connects cables to terminals; loads film and tests film feed mechanism and instrument circuit; levels instrument and tests for collimation of sighting telescopes; photographs target; develops films; determines the correction for displacement by using the evaluating instrument; makes logarithmic computations; computes bearings and distance by trigonometry; unpacks, connects up, operates and repacks telephone sets.

Must be a qualified driver. Should have knowledge of trigonometry, elementary electricity and optics. Must have knowledge of photographic lenses and filters. Should know composition of films such as panchromatic and orthochromatic. Should have thorough technical knowledge of photography.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>		
CHEMICAL MIXER (motion picture).....		5-86.010
DARKROOM MAN (any industry).....		5-86.510
DEVELOPER (any industry).....		5-86.512
FILM PRINTER (motion picture).....		5-86.030
PHOTOGRAPH FINISHER (any industry).....		7-86.514
PHOTOGRAPH PRINTER (any industry).....		5-86.514
RODMAN (any industry).....		7-87.100
<b>II Occupations requiring brief additional training in observing weather conditions or preparing weather charts; or in handling surveying instruments; or in the adjustment and focusing of motion picture cameras:</b>		
CAMERAMAN ASSISTANT (motion picture).....		0-56.43
COMPASS MAN (logging).....		0-64.50
GEODETIC COMPUTER (government services).....		0-64.40
INSTRUMENT MAN (professional & kindred).....		0-64.30
SURVEYOR ASSISTANT (bituminous coal mining).....		0-64.20
WEATHER-CHART PREPARER (clerical & kindred).....		1-35.04
WEATHER OBSERVER (professional & kindred).....		0-66.88
<b>III Occupations requiring considerable additional training in techniques of various types of photography; or in techniques of specific types of surveying:</b>		
PHOTOGRAPHER, AERIAL (professional & kindred).....		0-56.01
PHOTOGRAPHER, COMMERCIAL (professional & kindred).....		0-56.11
PHOTOGRAPHER, NEWS (printing & publishing).....		0-56.31
SURVEYOR (professional & kindred).....		0-64.10
SURVEYOR, HIGHWAY (construction).....		0-64.10
SURVEYOR, MINE (bituminous coal mining; metal mining).....		0-64.10
SURVEYOR, TOPOGRAPHICAL PHOTOGRAPHY (professional & kindred).....		0-64.60

## RELATED FIELDS OF WORK

Landscape Drafting and Surveying.....	0-X7.73
Photographic Work (Photoengraving and Darkroom Work).....	4-X6.588

# OPERATOR (LIGHT AND POWER PLANT) (ARMY TRADE GROUP C)

Performs duties of a helper in light or power generating station: assists Operator (Groups B and A) in operation and maintenance of stationary engines, turbines, generators, boilers, switchboards, transformers and other equipment and machinery.

Must have qualified as an Electrician (Group C). Must be familiar with the operation of internal combustion engines, or ignition compression engines or steam reciprocating engines.

## RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

### I Occupations not requiring additional training:

CABLE PULLER (construction; light, heat, & power; telephone & telegraph).....	9-54.10
ELECTRICIAN APPRENTICE (any industry).....	7-95.100
GROUNDMAN (light, heat, & power).....	9-54.10
POWER-HOUSE OILER (any industry).....	7-71.010
SALVAGE MAN (light, heat, & power).....	9-54.10
SCREEN OPERATOR (light, heat, & power).....	9-54.10

### II Occupations requiring additional training in electrical repairs and installations; or in fixing boilers; or in operation of pumps:

CALL-BOX WIRER (telephone & telegraph).....	7-53.010
FIREMAN, POWER-HOUSE (any industry).....	7-70.040
MACHINE ADJUSTER (III) (any industry).....	7-83.326
METER READER (light, heat, & power; waterworks).....	1-49.94
PLANT WIREMAN (telephone & telegraph).....	7-53.020
PUMPMAN (petroleum refining).....	7-72.540
STATION INSTALLER (I) (telephone & telegraph).....	7-53.030

### III Occupations requiring considerable additional training in fields of electricity and power plant procedure:

BATTERYMAN, LARGE EMERGENCY STORAGE (light, heat, & power).....	5-83.435
CABLE SPLICER (construction; light, heat, & power).....	5-53.950
ELECTRICAL TESTER (light, heat, & power).....	5-53.360
ELECTRICIAN (any industry).....	4-97.010
POWER-HOUSE RUNNER (light, heat, & power).....	5-51.030
POWER-TRANSFORMER ASSEMBLER (electrical equipment).....	4-99.172
STATION INSTALLER (II); <i>Telephone Installer</i> (telephone & telegraph).....	5-53.030
TROUBLE MAN (light, heat, & power).....	5-53.350

## RELATED FIELDS OF WORK

Electrical Wiring and Related .....	4-X6.181
Engine and Pump Maintenance and Repairing .....	4-X2.102



## OPERATOR (LIGHT AND POWER PLANT) (ARMY TRADE GROUPS B and A)

In addition to duties of Operator (Light and Power Plant) (Group C), operates and maintains electric power generating equipment: operates, overhauls and repairs alternating and direct current motors, generators, transformers and switchboards; operates and makes running repairs on switchboards up to 150 K.V.A.; installs and repairs control panels for two or more alternators; operates and maintains circuit breakers, thermal and magnetic coil-tripping devices, overload and reverse current relays, cut-outs and arresters; operates and maintains air compressors, pumps, and hoists; refits oil, water and steam piping; operates and overhauls equipment in steam reciprocating, internal combustion or ignition compression plants; repairs boiler mounting, feed pumps, stokers, thermostatic controls and float switches in steam reciprocating plant; makes repairs in internal combustion plant, such as decarbonizing, valve grinding, piston fitting, cleaning and adjusting magnetos, coil ignition systems, oil and air filters; makes repairs in compression ignition plant such as replacement of fuel pumps, injectors, oil, fuel and air filters. Operator (Light and Power Plant) (Group A) instructs and supervises workers in plant.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

GENERATOR OPERATOR (light, heat, & power).....	5-51.110
POWER-HOUSE ENGINEER (any industry).....	5-51.010
POWERMAN (III) (telephone & telegraph).....	5-51.510
SUBSTATION OPERATOR (light, heat, & power).....	5-51.210
SWITCHBOARD OPERATOR (light, heat, & power).....	5-51.130
SYSTEM OPERATOR (light, heat, & power).....	5-51.520
TURBINE OPERATOR (light, heat, & power).....	5-51.120

#### II Occupations requiring brief additional training in methods of operating complex power-producing equipment:

COMPRESSOR ENGINEER, CAISSON (construction).....	5-72.910
DIESEL-ENGINE OPERATOR, STATIONARY (any industry).....	5-72.210
ENGINEER, CHIEF, MARINE (water transportation).....	0-88.21
LOCK TENDER (water transportation).....	5-49.104
MAINTENANCE ENGINEER (any industry).....	5-72.020
OPERATING ENGINEER (IV) (construction).....	5-23.910
REFRIGERATING ENGINEER (any industry).....	5-72.310
STATIONARY ENGINEER (any industry).....	5-72.010

#### III Occupations requiring considerable additional training in wiring techniques specific to airplanes, automobiles or ships; or in testing and repairing industrial motors:

ELECTRIC-MOTOR ANALYST (any industry).....	5-83.431
ELECTRIC-MOTOR ASSEMBLER AND TESTER (any industry).....	5-83.432
ELECTRIC-MOTOR REPAIRMAN (any industry).....	5-83.433
ELECTRICAL REPAIRMAN (any industry).....	4-97.420
ELECTRICIAN, AIRPLANE (aircraft manufacturing).....	4-97.910
ELECTRICIAN, AUTOMOTIVE (automotive services).....	5-81.420
ELECTRICIAN, SHIP (ship & boat building & repairing).....	4-97.210
ELEVATOR REPAIRMAN (any industry).....	5-83.921

### RELATED FIELDS OF WORK

Electrical Equipment Repairing.....	4-X6.183
Electrical Power-Plant Operation, Repairing.....	4-X6.188

For additional information see OPERATOR (LIGHT AND POWER PLANT) (ARMY TRADE GROUP C).

## OPERATOR, MONITOR (SIGNALS) (ARMY TRADE GROUPS B and A)

Operates radio receivers and copies Morse and foreign code signals; unpacks, connects up, adjusts, tests, operates and repacks unit radio receivers; without use of tools, locates and rectifies external faults, and changes tubes and similar components; operates direction-finding equipment; copies Morse and foreign code, manually or by touch-typing.

Must possess knowledge of electricity, magnetism, and radio theory. Must have knowledge of map reading, and the use of protractors and magnetic and prismatic compasses. Must have some knowledge of Army signalling procedure. Must have good knowledge of Army organization and security regulations.

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### RELATED CIVILIAN EMPLOYMENT

#### Dictionary of Occupational Titles - Codes

#### I Occupations not requiring additional training:

MAP CLERK (insurance).....	1-08.48
RADIO INSTALLER, AUTOMOBILE (automotive services).....	7-83.415
RADIO OPERATOR (governmental services; radio broadcasting; water transportation).....	0-61.30
RADIO-TECHNICIAN HELPER (radio manufacturing).....	6-98.220
TELEGRAPH OPERATOR (telephone & telegraph).....	1-41.12
TELEGRAPHIC-TYPEWRITER OPERATOR; <i>Teletypist</i> (clerical & kindred).....	1-37.33
TUBE MOUNTER (III) (radio manufacturing).....	7-00.016
TYPIST (clerical & kindred).....	1-37.32

#### II Occupations requiring brief additional training in methods of assembling, testing, and repairing civilian radios:

PHOTOPHONE ASSEMBLER (radio manufacturing).....	6-98.170
RADIO-CHASSIS ALINER (radio manufacturing).....	4-98.040
RADIO-EQUIPMENT ASSEMBLER, SPECIAL (radio manufacturing) ..	4-98.050
RADIO REPAIRMAN (any industry).....	5-83.411
RADIO-TRANSMITTER ASSEMBLER (radio manufacturing).....	6-98.310
RECEIVER TESTER (radio manufacturing).....	4-98.060
RECORDING ENGINEER (radio broadcasting).....	0-66.01
TRANSMITTER REPAIRMAN (any industry).....	5-83.445

#### III Occupations requiring considerable additional training in commercial broadcasting procedure; or in draughting maps; or in inspecting and testing radio equipment; or in control of airport landing-field:

AIRPORT-CONTROL OPERATOR (air transportation).....	0-61.60
CONTROL-ROOM MAN (radio broadcasting).....	0-61.10
DRAFTSMAN, MAP; <i>Map Maker</i> (professional & kindred).....	0-48.15
FIELD ENGINEER; <i>Control Operator</i> (radio broadcasting).....	0-61.50
PUBLIC-ADDRESS SERVICEMAN (any industry).....	5-83.415
RADIO-AND-ELECTRICAL INSPECTOR (aircraft manufacturing).....	4-97.930
STUDIO ENGINEER (radio broadcasting).....	0-61.40
TRANSMITTER TESTER (radio manufacturing).....	0-61.80

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### RELATED FIELDS OF WORK

Electrical Engineering and Related.....	0-X7.48
Radio Repairing and Related.....	4-X6.185

# OPERATOR, PUNCH CARD TABULATING MACHINE (ARMY TRADE GROUPS C, B, and A)

Sets up and operates electrically-powered tabulating machines; operates a machine that automatically analyzes, calculates, translates or divides information represented by holes punched in groups of tabulating cards, and prints the tabulated data on form sheets, reports, special cards or accounting records; wires plugboards to correspond to required operations and inserts board into machine; places cards to be tabulated in feed magazine and starts machine; corrects stoppages. May operate sorting, punching, verifying or accounting machines. Operator, Punch Card Tabulating Machine (Group A), supervises workers in machine operations, assigning work and checking results.

Must be fully conversant with all punch card routines upon which actively employed. Must be able to design all types of card forms and be able to draw skip bar specifications.

## RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

### **I Occupations not requiring additional training:**

ADDRESSING-MACHINE OPERATOR (clerical & kindred).....	1-25.41
BILLING-MACHINE OPERATOR (I) (clerical & kindred).....	1-25.02
DUPLICATING-MACHINE OPERATOR (I) (clerical & kindred).....	1-25.22
INTERPRETER-MACHINE OPERATOR (clerical & kindred).....	1-25.64
KEY-PUNCH OPERATOR (clerical & kindred).....	1-25.62
SORTING-MACHINE OPERATOR (II) (clerical & kindred).....	1-25.63
TABULATING-MACHINE OPERATOR (clerical & kindred).....	1-25.64

### **II Occupations requiring brief additional training in the use of new or different office machines and keyboard manipulation:**

ADDING-MACHINE OPERATOR (clerical & kindred).....	1-25.12
BOOKKEEPING-MACHINE OPERATOR (III) (clerical & kindred)....	1-02.03
CALCULATING-MACHINE OPERATOR (clerical & kindred).....	1-25.13
CHECK-WRITING-MACHINE OPERATOR (clerical & kindred).....	1-25.91
POSTING-MACHINE OPERATOR (II) (clerical & kindred).....	1-02.04
SIGN WRITER, MACHINE (clerical & kindred).....	1-25.93
VERIFYING-MACHINE OPERATOR (clerical & kindred).....	1-25.66

### **III Occupations requiring considerable additional training to learn methods of assembling, testing, adjusting, maintaining and repairing different types of business machines:**

ACCOUNTING-MACHINE SERVICEMAN (any industry).....	5-83.121
ADDING-MACHINE SERVICEMAN (any industry).....	5-83.122
CASH-REGISTER SERVICEMAN (any industry).....	5-83.124
DUPLICATING-MACHINE SERVICEMAN (any industry).....	5-83.125
ELECTRIC-WRITING-MACHINE SERVICEMAN (any industry)....	5-83.130
OFFICE-MACHINE SERVICEMAN (any industry).....	5-83.111
TABULATING-EQUIPMENT MECHANIC (any industry).....	5-83.128

## RELATED FIELDS OF WORK

Clerical Machine Operating.....	1-X4.4
Office Machine Repairing.....	4-X2.106



## OPERATOR (RADAR) (ARMY TRADE GROUP C)

Operates radar equipment in action and carries out protective maintenance on radar equipment and associated Diesel engine: orients checking dials, lines up radar and follows target with smooth rates; makes simple electrical tests and adjustments to radar; makes daily, weekly and monthly "Tasks Tables" of maintenance for operators; carries out related maintenance tasks such as changing lubrication oil in Diesel engine, checking vehicle tires, testing batteries, etc.

Must know use of phonetic alphabet and be able to relay communications. Must have minimum training of four weeks. Must possess patience and manual dexterity.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

- 
- I Any job concerned with the operation of radar equipment which would require varied training, depending upon specific type of equipment.
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- II Occupations requiring brief on-the-job training to become skilled in industrial techniques of assembly, inspection, maintenance and repair in plants manufacturing radar equipment.
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- III Occupations requiring additional training to learn construction and methods of installing, assembling, adjusting or testing civilian radio equipment:
- |  |          |
|--|----------|
| PHOTOPHONE ASSEMBLER (radio manufacturing).....        | 6-98.170 |
| RADIO INSTALLER, AUTOMOBILE (automotive services)..... | 7-83.415 |
| RADIO-OPERATOR APPRENTICE (water transportation).....  | 0-69.47  |
| RADIO REPAIRMAN (radio manufacturing).....             | 6-98.210 |
| RADIO-TECHNICIAN HELPER (radio manufacturing).....     | 6-98.220 |
| TESTING-MACHINE OPERATOR (radio manufacturing).....    | 6-98.290 |
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### RELATED FIELDS OF WORK

Electrical Unit Assembling.....	6-X4.308
Radio Repairing and Related.....	4-X6.185

## OPERATOR (SPECIAL ENGINEERING EQUIPMENT) (ARMY TRADE GROUPS C, B, and A)

Operates, services and maintains all types of power-operated excavating machinery, and Diesel-powered dumpers, road rollers, narrow-gauge locomotives, and tractors; operates machines used to level, grade and fill surfaces, by manipulation of levers, pedals and throttle controls; oils, greases and cleans machines; checks water and fuel supply; makes simple running repairs. Operator (Special Engineering Equipment) (Group A) inspects and maintains all vehicles; and supervises operation of construction machines.

Must have a detailed knowledge of what a particular machine can or cannot do with safety.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

AUTOMOBILE-MECHANIC HELPER (automotive services).....	7-81.010
BULLDOZER OPERATOR (construction).....	7-23.030
CRANE OPERATOR, PORTABLE (ship & boat building & repairing)...	7-73.010
DIESEL-DINKEY OPERATOR (any industry).....	7-40.010
DUMP-TRUCK DRIVER (any industry).....	7-36.220
MOTOR-GRADER OPERATOR (construction).....	7-23.020
MUCKING-MACHINE OPERATOR (construction).....	7-23.920
PILE-DRIVER OPERATOR; <i>Pile Driver Engineer</i> (construction).....	5-23.610
TRACTOR MECHANIC (any industry).....	5-81.040
TRACTOR OPERATOR (any industry).....	7-36.510

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#### II Occupations requiring brief additional training in the operation, maintenance or repair of automobiles, steam locomotives, construction equipment, or engines used in logging operations:

AUTOMOBILE MECHANIC (automotive services).....	5-81.010
BRAKEMAN, AIR (railroad locomotive & car building & repairing).....	5-79.010
CONSTRUCTION-EQUIPMENT MECHANIC (construction).....	5-83.641
ELECTRIC-BRIDGE-CRANE OPERATOR (any industry).....	5-73.010
ENGINEER (logging).....	5-73.330
HOISTING ENGINEER (any industry).....	5-73.520
INDUSTRIAL-LOCOMOTIVE OPERATOR (any industry).....	5-41.060
OPERATING ENGINEER (IV) (construction).....	5-23.910

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#### III Occupations requiring considerable additional training in the assembly of Diesel engines; or in the operation of stationary engines; or in the operation of Diesel electric-generating plants; or technical training in mechanical engineering:

AUTOMOTIVE ENGINEER (professional & kindred).....	0-19.01
COMBUSTION ENGINEER (professional & kindred).....	0-19.01
DIESEL-ENGINE ERECTOR (engine & turbine).....	4-75.120
DIESEL-ENGINE OPERATOR, STATIONARY (any industry).....	5-72.210
DIESEL-PLANT OPERATOR (light, heat, & power).....	5-51.122
GENERATOR OPERATOR (light, heat, & power).....	5-51.110
PIPE-LINE FOREMAN (construction).....	5-94.120
STATIONARY ENGINEER (any industry).....	5-72.010

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### RELATED FIELDS OF WORK

Combustion Engine Repairing.....	4-X2.103
Hauling Machine Operating.....	4-X2.492
Hoisting Machine Operating.....	4-X2.493

## OPERATOR, SPECIAL (SIGNALS) (ARMY TRADE GROUPS C and B)

Sets up, operates and maintains wireless telegraphy equipment and field telephones; connects up, operates on given frequency, and maintains communication and reception sets; transmits Morse code at a speed of 15 to 20 words per minute; receives messages in clear English, in cipher or in foreign language at a speed of 20 to 25 words per minute and records transmissions on special log forms from two or more stations; carries out routine calibration of direction finding equipment and plots positions from bearings obtained; sets up, operates and tests magneto telephones and small portable telephone switchboards; makes minor repair to all signals equipment and telephones; sets a map by ground, sun or compass, and takes bearings using protractor, magnetic or prismatic compass.

Must have basic knowledge of electricity, magnetism and wireless theory.  
Must know British and foreign procedures of sending and receiving messages.  
Must have general knowledge of Army organization and security regulations.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring brief on-the-job training:

CABLE OPERATOR (telephone & telegraph).....	1-41.17
DISPATCHER (telephone & telegraph).....	1-41.16
MAINTENANCE INSPECTOR (telephone & telegraph).....	5-76.225
RADIO OPERATOR (air transportation; telephone & telegraph; water transportation).....	0-61.33
RADIO OPERATOR, FLIGHT (air transportation).....	0-61.32
RADIO-TECHNICIAN HELPER (radio manufacturing).....	6-98.220
RECORDING ENGINEER (radio broadcasting).....	0-66.01
TELEGRAPH OPERATOR (telephone & telegraph).....	1-41.12

#### II Occupations requiring brief additional training in the repair, installation or inspection of radios or related equipment; or in the technique of draughting maps:

CENTRAL OFFICE REPAIRMAN (telephone & telegraph).....	5-53.235
DRAFTSMAN, MAP (professional & kindred).....	0-48.15
ELECTRICAL REPAIRMAN (any industry).....	4-97.420
FIELD ENGINEER (radio broadcasting).....	0-61.50
INSTRUMENT-LANDING-TRUCK OPERATOR (air transportation)...	0-61.65
RADIO-AND-ELECTRICAL INSPECTOR (aircraft manufacturing).....	4-97.930
RADIO MECHANIC (II) (any industry).....	5-83.447
TELEGRAPH INSTALLER (telephone & telegraph).....	5-53.050
TRANSMITTER TESTER (radio manufacturing).....	0-61.80
TROUBLE SHOOTER (radio manufacturing).....	5-83.413

#### III Occupations requiring considerable additional training in technical phases of engineering, design, and construction of radio, telegraphic, or overseas radio-telephone equipment; or in supervising the installation, testing and operation of such equipment:

CHIEF OF SECTION, RADIO OPERATIONS (telephone & telegraph)...	0-17.01
DRAFTSMAN, TOPOGRAPHICAL (professional & kindred).....	0-48.26
FIELD SUPERVISOR, BROADCAST (radio broadcasting).....	0-61.50
OPERATOR, CHIEF (telephone & telegraph).....	0-99.51
RADIO ENGINEER (professional & kindred).....	0-17.01
RADIO-FACILITIES ENGINEER (telephone & telegraph).....	0-17.01
RADIO-RESEARCH-AND-DEVELOPMENT MECHANIC (telephone & telegraph).....	5-00.912
RADIOTELEPHONE-TECHNICAL OPERATOR (telephone & telegraph)	0-61.25
TELEGRAPH ENGINEER (telephone & telegraph).....	0-17.01
TESTING-AND-REGULATING CHIEF (telephone & telegraph).....	0-99.43

### RELATED FIELDS OF WORK

Electrical Engineering and Related.....	0-X7.48
Electrical Repairing.....	4-X6.18



## OPERATOR (STEAM POWER PLANT) (ARMY TRADE GROUPS C, B, and A)

Tends, feeds, cleans and maintains portable, semi-portable or fixed boiler used for supplying heat or steam: feeds fire to obtain maximum heating value; operates mechanical stoker, chain grate or hand shovel to place fuel, or adjusts valve which regulates flow of oil and air to burners in oil-fired boiler; regulates draught and fuel supply to maintain required steam pressure; maintains water in boiler at required level by manipulating valves; removes ashes and clinkers from fire box, using bars, shovels and wires; sets valves of steam pumps and slide valve engines, lubricating and keeping them in good working order; makes general repairs to brick work, pipes, pipe fittings and valves in low pressure heating plant.

Must have a practical knowledge of the properties, care, and methods of handling fuels and lubricating oils. Must know how to counteract the effects of impurities in water. Must have knowledge of the construction of Dutch ovens, chimneys and flues. Must be familiar with the use of furnace testing instruments, such as CO<sub>2</sub> machines and draught gauges. Must be familiar with the action of different types of governors, including safety stop devices, and with the workings of compound and triple expansion engines. Must be able to use steam tables and to reckon horsepower from indicator card.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

FIREMAN, LOW PRESSURE (any industry).....	7-70.010
FIREMAN, PORTABLE BOILER (any industry).....	7-70.070
FIREMAN, STATIONARY BOILER (any industry).....	7-70.040
FIREMAN, STILL (petroleum refining).....	6-55.070
FURNACE TENDER, HEAT TREATING (heat treating).....	6-87.410
OVEN FIREMAN (bakery products).....	7-70.310
POWER-HOUSE OILER (any industry).....	7-71.010
STATIONARY ENGINEER, THIRD CLASS (any industry).....	5-72.010

#### II Occupations requiring brief additional training in methods of firing locomotive boilers; or in methods of operating and maintaining stationary engines and mechanical equipment:

DIESEL-ENGINE OPERATOR, STATIONARY (any industry).....	5-72.210
ENGINEER, <i>Marine Engineer</i> (water transportation).....	0-88.24
FIREMAN, INDUSTRIAL LOCOMOTIVE (any industry).....	5-42.200
FIREMAN, LOCOMOTIVE (railroad transportation).....	5-42.100
HOSTLER, INSIDE (railroad transportation).....	5-41.020
HOT-MILL ENGINEER (iron & steel).....	5-72.050
MAINTENANCE ENGINEER (any industry).....	5-72.020
STATIONARY ENGINEER, SECOND CLASS (any industry).....	5-72.010

#### III Occupations requiring considerable additional training in operating and maintaining stationary engines, generators, turbines, motors, switchboards or transformers; or in techniques of boiler testing or inspection:

BOILER INSPECTOR (professional & kindred).....	0-79.03
BOILER TESTER (boilermaking).....	6-83.130
BOILERHOUSE INSPECTOR (any industry).....	5-76.910
COMPRESSOR ENGINEER, CAISSON (construction).....	5-72.910
DIESEL-PLANT OPERATOR (light, heat, & power).....	5-51.122
GENERATOR OPERATOR (light, heat, & power).....	5-51.110
POWER-HOUSE ENGINEER (any industry).....	5-51.010
REFRIGERATING ENGINEER (any industry).....	5-72.310
STATIONARY ENGINEER, FIRST CLASS (any industry).....	5-72.010
TURBINE OPERATOR (light, heat, & power).....	5-51.120

### RELATED FIELDS OF WORK

Electrical Power-Plant Operation, Repairing.....	4-X6.188
Engine and Pump Maintenance and Repairing.....	4-X2.102
Simple Non-Metal Furnace and Boiler Tending.....	6-X2.608
Simple Visual Inspecting.....	6-X2.381

# OPERATOR SWITCHBOARD (TELEPHONE) (ARMY TRADE GROUP C)

Operates field or fixed signal services switchboards: sends and receives vocal messages known as phonograms; installs service pattern telephones and tests telephone lines and cables; uses telephone register slips; interprets route plans, signal and circuit diagrams. May perform a variety of clerical tasks.

Must have general knowledge of properties and units of electric currents, Ohm's Law, electron theory, magnetism, condensers, dry and inert cells, electromagnetic fields, galvanometers, nature of sound, simple telephone theory. Must be familiar with calling devices, signal office routine, Army organization, security regulations, map reading and abbreviations.

## RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

### I Occupations not requiring additional training:

APPOINTMENT CLERK (clerical & kindred).....	1-18.41
CLERK, GENERAL (clerical & kindred).....	1-04.01
CLERK, GENERAL OFFICE (clerical & kindred).....	1-05.01
INFORMATION CLERK (clerical & kindred).....	1-18.42
RECEPTIONIST (clerical & kindred).....	1-18.43
TELEPHONE OPERATOR (II) (clerical & kindred).....	1-42.32
TELEPHONE-ORDER CLERK (clerical & kindred).....	1-18.63
TELEPHONE-QUOTATION CLERK (financial).....	1-06.88
TELEPHONE SOLICITOR (any industry).....	1-55.20

### II Occupations requiring brief additional training in operation of complete telephone switchboard; or in clerical tasks:

CENTRAL-OFFICE OPERATOR (telephone & telegraph).....	1-42.01
DELIVERY CLERK (clerical & kindred).....	1-34.01
GAMEWELL OPERATOR (governmental services).....	1-41.52
JACKBOARD OPERATOR (telephone & telegraph).....	1-41.14
ROOM CLERK (hotel & restaurant).....	1-07.60
ROUTER; Dispatcher (clerical & kindred).....	1-34.11
SHIPPING CHECKER (clerical & kindred).....	1-34.15
SHIPPING CLERK (I) (clerical & kindred).....	1-34.13
SWITCHBOARD OPERATOR, POLICE DISTRICT (governmental services).....	1-42.34
TICKET COUNTER (amusement & recreation).....	1-49.92

### III Occupations requiring considerable additional training in methods of installing, repairing or inspecting telephone equipment:

CENTRAL-OFFICE INSTALLER (telephone & telegraph).....	5-53.010
COMBINATION MAN (telephone & telegraph).....	5-53.210
STATION INSTALLER, SENIOR (telephone & telegraph).....	5-53.040
STATION REPAIRMAN (telephone & telegraph).....	5-53.250
TELEPHONE INSPECTOR (telephone & telegraph).....	5-76.210
TELEPHONE-REPEATER ATTENDANT (telephone & telegraph).....	5-53.920
TELEPHONE-SWITCHBOARD REPAIRMAN (any industry).....	5-53.240
TEST MAN (telephone & telegraph).....	5-53.332

## RELATED FIELDS OF WORK

Electrical Wiring and Related.....	4-X6.181
General Public Contact Work.....	1-X5.0
General Recording Work.....	1-X2.0

## OPERATOR (WIRELESS AND LINE) (ARMY TRADE GROUPS C and B)

Operates wireless and line telegraphy system: sends and receives messages in Morse code at rate of ten to thirteen one hundred-letter plain language messages or seventy-five-letter cipher messages per fifteen minutes; sends and receives standard messages by lamp at rate of six words per minute; checks and tests all equipment, using test meters and light tools; sets up aerial, transmitter and receiver and tunes them to correct frequencies; installs and operates telephone switchboard with a maximum of twenty lines; carries out daily maintenance on all equipment; tests, charges and maintains batteries; operates motor vehicles. May operate automatic high-speed equipment such as Creed or Kleinschmidt perforator and Boehme or Creed automatic tape transmitter.

Must know principles and practice of wireless and line telegraphy and telephone communication. Must be able to read and set maps. Must know security regulations and Army organization.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training:

RADIO INSTALLER, AUTOMOBILE (automotive services).....	7-83.415
RADIO-NEWS COPYMAN (radio broadcasting).....	1-37.35
RADIO-OPERATOR APPRENTICE (water transportation).....	0-69.47
RADIO OPERATOR, FLIGHT (air transportation).....	0-61.32
RADIO-TECHNICIAN HELPER (radio manufacturing).....	6-98.220
TELEGRAPH OPERATOR (telephone & telegraph).....	1-41.12
TELEPHONE OPERATOR (I) (clerical & kindred).....	1-42.31

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#### II Occupations requiring brief additional training in methods of commercial airline operation; or in techniques of commercial radio broadcasting:

AIRPORT-CONTROL OPERATOR (air transportation).....	0-61.60
CONTROL-ROOM MAN (radio broadcasting).....	0-61.10
DISPATCHER (air transportation).....	0-61.61
FIELD ENGINEER; <i>Control Operator</i> (radio broadcasting).....	0-61.50
INSTRUMENT-LANDING-TRUCK OPERATOR (air transportation)...	0-61.65
RADIO OPERATOR (II) (air transportation; telephone & telegraph; water transportation).....	0-61.33
RADIOTELEPHONE-TECHNICAL OPERATOR (telephone & telegraph).....	0-61.25

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#### III Occupations requiring considerable additional training in commercial broadcasting procedures; or in testing radio equipment; or in handling of international radio-telephone messages:

COMMUNICATION ENGINEER (light, heat, & power).....	0-61.85
CONTROL SUPERVISOR, JUNIOR (radio broadcasting).....	0-66.03
MAINTENANCE SUPERVISOR (radio broadcasting).....	5-83.447
RADIO TECHNICIAN (radio manufacturing).....	0-17.01
RECORDING ENGINEER (radio broadcasting).....	0-66.01
TRAFFIC CHIEF, RADIO COMMUNICATION (telephone & telegraph).....	0-61.36
TRANSMITTER TESTER (radio manufacturing).....	0-61.80
TROUBLE SHOOTER (radio manufacturing).....	5-83.413

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### RELATED FIELDS OF WORK

Electrical Engineering and Related.....	0-X7.48
Radio Repairing and Related.....	4-X6.185



## OPTICIAN (ARMY TRADE GROUP B)

Constructs and fits ophthalmic lenses: surfaces, edges, polishes, cuts and drills ophthalmic lenses to specifications; mounts lenses on proper sized frame and fits to individual face.

Must be licenced as qualified Optician or Optometrist.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

OPTICIAN (optical goods).....	5-08.010
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#### II Occupations requiring brief additional training in industrial methods of lens grinding:

BEVELER (optical goods).....	5-08.020
EDGE GRINDER, AUTOMOTIC (optical goods).....	5-08.040
EYEGLOSS CUTTER (optical goods).....	5-08.050
LENS-EDGE GRINDER, HAND (optical goods).....	5-08.045
LENS GRINDER (optical goods).....	5-08.070
LENS POLISHER (optical goods).....	5-08.080
PRECISION-LENS GRINDER (optical goods).....	5-08.071
PRESCRIPTION-LENS MOUNTER (optical goods).....	5-08.075

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#### III Occupations requiring considerable additional training in use of industrial optical tools; or in methods of inspecting optical elements; or in techniques of grinding and setting precious and semi-precious stones:

FINISHER (jewelry).....	4-72.511
FRAME CARVER, SPINDLE (optical goods).....	5-09.055
INSTRUMENT MAKER (optical goods).....	5-08.066
JEWEL-BEARING MAKER (jewelry).....	4-71.250
OPTICAL-INSTRUMENT INSPECTOR (instruments & apparatus).....	5-08.062
PRISM MEASURER (optical goods).....	5-08.065
QUARTZ ORIENTOR (radio manufacturing).....	6-98.087
STONE SETTER (jewelry).....	4-71.020
STONECUTTER, JEWELRY (jewelry).....	4-71.210

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### RELATED FIELDS OF WORK

Bench Work, Stone, Glass or Jewels.....	4-X6.33
Glass Grinding, Polishing and Related (Fine Work).....	4-X2.035

## OPTOMETRIST (ARMY TRADE GROUP A)

Examines eyes and prescribes glasses when required: grades for PULHEMS profile; inspects eye visually for external evidence of conditions requiring corrective medical or surgical treatment; examines eye internally, using optometric equipment; determines lenses necessary to correct faults such as near-sightedness, far-sightedness or astigmatism; places trial frame over patient's eye and tries various lenses. directing patient to view chart through lenses; prescribes eye exercises to correct muscular faults in the eyes; makes simple tests for colour blindness; refers soldiers with any ocular disease to an Ophthalmologist for medical treatment.

Must possess a certificate of graduation from a recognized school of Optometry.  
Must possess a licence to practise Optometry in Canada.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

OPTOMETRIST (professional & kindred).....	0-53.10
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#### II Occupations requiring brief training in industrial methods of lens grinding:

BEVELER (optical goods).....	5-08.020
BLOCKER (optical goods).....	5-09.010
DOTTER (optical goods).....	5-08.030
EDGE GRINDER, AUTOMATIC (optical goods).....	5-08.040
EYEGLOSS CUTTER (optical goods).....	5-08.050
LENS-EDGE GRINDER, HAND (optical goods).....	5-08.045
LENS GRINDER (optical goods).....	5-08.070
LENS POLISHER (optical goods).....	5-08.080
OPTICIAN (optical goods).....	5-08.010
PRECISION-LENS GRINDER (optical goods).....	5-08.071
PRECISION-LENS POLISHER (optical goods).....	5-08.081

#### III Occupations requiring additional training in methods of precision grinding or shaping small stones, glass or jewels:

CRYSTAL GRINDER, FINISHED (radio manufacturing).....	6-98.080
JEWEL-BEARING MAKER (jewelry).....	4-71.250
PALLET-STONE GRINDER (clocks, watches, & allied products).....	6-72.025
QUARTZ CUTTER (radio manufacturing).....	6-98.078
SAPPHIRE-STYLUS GRINDER (phonograph).....	4-98.710
STONECUTTER, JEWELRY (jewelry).....	4-71.210

### RELATED FIELDS OF WORK

Bench Work, Stone, Glass or Jewels.....	4-X6.33
Glass Grinding, Polishing and Related (Fine Work).....	4-X2.035

## PAINTER AND DECORATOR (ARMY TRADE GROUP C)

Prepares surfaces for painting and does ordinary painting, enameling and varnishing; uses wire brushes, sandpaper, blow torch and steel scrapers; using putty knife and small trowel, fills cracks with putty, plastic wood or plaster of paris; washes walls, ceilings, floors or any objects to be painted; smooths rough surfaces by hand sanding or use of steel scrapers; assists paperhanger by removing old wall-paper with steel scraper or steam wallpaper remover and preparing paper for hanging; does ordinary painting, enameling, staining and varnishing; cleans brushes.

### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

#### I Occupations not requiring additional training:

CLEAN-UP MAN (railroad locomotive & car building & repairing).....	9-05.01
DIPPER (any industry).....	7-16.930
PAINT REMOVER (any industry).....	7-27.910
PAINT REPAIRMAN (automotive services).....	7-16.540
PAINTER, BOAT, ROUGH (ship & boat building & repairing).....	7-27.110
PAINTER HELPER, AUTOMOBILE (automotive services).....	7-89.361
VARNISH REMOVER (railroad locomotive & car building & repairing) ..	9-65.41

#### II Occupations requiring brief on-the-job training in sanding, smoothing or otherwise preparing surfaces for painting:

FILER (sporting & athletic goods).....	6-39.993
FILLER-AND-WATER SANDER (aircraft manufacturing).....	6-33.131
FRAME TRIMMER (mirror & picture frames).....	7-16.131
RUBBER; <i>French Polisher</i> (furniture; mirror & picture frames).....	7-16.121
SANDER (refrigerator & refrigerating & ice-making equipment).....	6-33.117
SANDER, STROKE (radio manufacturing).....	6-33.125
STAIN SANDER (furniture).....	6-33.126
STAINER (furniture).....	7-16.111

#### III Occupations requiring additional training in commercial methods of mixing and blending paints, varnishes or lacquers by hand or machine:

COLOR GRINDER (textile).....	7-18.320
COMPOUND MIXER (radio manufacturing).....	6-98.040
LACQUER BLENDER (paint & varnish).....	6-50.311
LACQUER MAN (paint & varnish).....	6-50.312
PAINT GRINDER (paint & varnish).....	6-50.001
PAINT MIXER, MACHINE (paint & varnish).....	6-50.334
TINTER (paint & varnish).....	4-50.312
VARNISH MAKER (paint & varnish).....	4-50.331

### RELATED FIELDS OF WORK

Simple Shop Painting (Brush and Spray).....	6-X4.346
Structural Painting and Related (Brush and Spray).....	4-X6.246



## PAINTER AND DECORATOR (ARMY TRADE GROUP B)

In addition to duties of Painter and Decorator (Group C), matches and mixes paints and varnish and does finish painting: measures and mixes proper amounts of pigment, linseed oil, turpentine, paint, and colouring tints; erects scaffolding; paints with brushes and spray gun; hangs wallpaper; does plain lettering and striping; estimates time and material required for a job.

Must have knowledge of rigging and scaffolding.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

DOPER (aircraft manufacturing).....	5-16.930
PAINTER (construction).....	5-27.010
PAINTER, BOAT, FINISH (ship & boat building & repairing).....	5-27.110
PAINTER, CAR (railroad locomotive & car building & repairing).....	5-16.151
PAINTER, SPRAY (any industry).....	7-16.210
PAINTER, STRUCTURAL STEEL (construction).....	5-27.020
PAPERHANGER (construction).....	5-28.100

#### II Occupations requiring brief training in methods of painting automobiles, airplanes, stage settings or furniture:

ANTIQUER (furniture).....	5-16.750
DECORATOR (furniture).....	5-16.730
GRAINER, HAND (any industry).....	5-16.920
PAINTER, AIRCRAFT (air transportation).....	5-16.940
PAINTER, AUTOMOTILE (automotive services).....	5-16.910
PAINTER, FRAME (mirror & picture frames).....	5-16.740
PAINTER, FURNITURE (furniture).....	5-16.720
PAINTER, STAGE SETTINGS (motion picture).....	5-27.310

#### III Occupations requiring considerable additional training in the use of fine paint brushes:

COLORER (jewelry).....	4-72.461
COLORER; <i>Colourer, Hand</i> (printing & publishing).....	0-44.23
PAINTER, GLASS (glass products).....	0-04.21
PAINTER, HAND; <i>China Painter</i> (pottery & porcelain ware).....	4-66.511
PAINTER, SIGN (any industry).....	5-27.910
PHOTOGRAPH RETOUCHER (any industry).....	5-86.540
POSTER ARTIST (professional & kindred).....	0-44.11
SIGN WRITER, HAND (any industry).....	0-44.13

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### RELATED FIELDS OF WORK

Art Work (Brush, Spray or Pen).....	4-X6.506
Shop Painting (Brush or Spray).....	4-X6.346

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For additional information see PAINTER AND DECORATOR (ARMY TRADE GROUP C).

## PANEL BEATER (BODY REPAIR MAN) (ARMY TRADE GROUPS C and B)

Repairs damaged body parts and assemblies; reworks damaged parts into original shape, using special body tools; roughs out damaged fenders and bodies; solders and fills breaks; adjusts doors; re-aligns bodies and frames; repairs all types of fenders and bodies by hammering, heating, bending or welding damaged part.

Must know properties of metal and use of welding, cutting, and heating torches.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

AUTOMOTILE-BODY-REPAIRMAN HELPER, METAL (automobile manufacturing; automotive services).....	7-81.550
AUTOMOBILE-MECHANIC HELPER (automotive services).....	7-81.010
BODY REPAIRMAN, FINAL (automobile manufacturing).....	7-02.342
DOOR ADJUSTER (automobile manufacturing).....	7-02.374
SOLDER PADDLER (automotive services).....	7-81.540
SOLDERING-WHEEL MAN (automobile manufacturing).....	7-02.367

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#### II Occupations requiring brief additional training in use of soldering equipment, or brief training in methods of hand shaping to remove dents and straighten sheet metal parts:

BENCH REPAIRMAN (automobile manufacturing).....	7-02.017
BURNISHER AND BUMPER (aircraft manufacturing).....	6-77.340
FLANGE BREAKER (automobile manufacturing).....	6-94.211
SAW STRAIGHTENER, HAND (cutlery & tools).....	7-84.260
SOLDERER, TORCH (automobile manufacturing).....	7-02.015
TANK STRAIGHTENER (aircraft manufacturing).....	7-03.544
WHEELWRIGHT (automotive services).....	7-81.210

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#### III Occupations requiring additional training in use of sanding and filing equipment on wood or metal:

FILER (sporting & athletic goods).....	6-39.993
METAL FINISHER, HAND FILING (any industry).....	6-77.530
POLISHER (silverware & plated ware).....	6-77.070
SANDER (any industry).....	9-02.01
SANDER (refrigerator & refrigerating & ice-making equipment).....	6-33.117
SANDER, STROKE (radio manufacturing).....	6-33.125
STAIN SANDER (furniture).....	6-33.126
TOOL FILER (pottery & porcelain ware).....	7-84.320

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### RELATED FIELDS OF WORK

Simple Light Metal Structural Work.....	6-X4.213
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## PANEL BEATER (BODY REPAIR MAN) (ARMY TRADE GROUP A)

In addition to the duties of Panel Beater (Groups C and B), diagnoses collision effects and makes complete repairs to vehicle bodies: straightens bodies, exercising care not to stretch metal; shrinks metal; welds and brazes; performs highly skilled body repairs; prepares and paints metal surfaces.

Must know the properties of metals, the use of welding, cutting, and heating torches. Must be able to use paint spray equipment.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

AUTOMOBILE-BODY REPAIRMAN, METAL (automobile manufacturing; automotive services).....	5-81.510
BRAZER (any industry).....	4-85.310
DOOR ADJUSTER (automobile manufacturing).....	7-02.374
SOLDERER (any industry).....	6-95.001
WELDER, ACETYLENE (any industry).....	4-85.030
WELDER, ARC (any industry).....	4-85.020

#### II Occupations requiring brief additional training to gain familiarity with methods and equipment for brush and spray painting:

BRUSH HAND (automobile manufacturing).....	7-16.520
PAINT-TOUCH-UP MAN (automobile manufacturing).....	7-16.550
PAINTER (construction).....	5-27.010
PAINTER, AUTOMOBILE (automotive services).....	5-16.910
PAINTER, BOAT, FINISH (ship & boat building & repairing).....	5-27.110
PAINTER, HAND (any industry).....	7-16.900
PAINTER, SPRAY (any industry).....	7-16.210
PAINTER, STRUCTURAL STEEL (construction).....	5-27.020

#### III Occupations requiring considerable additional training in the use of hand tools for working sheet metal; or in methods of laying out sheet metal work:

BASKET-LINER MAKER (basket & rattan & willowware).....	4-80.010
PANEL MAKER (railroad locomotive & car building & repairing).....	4-80.910
PATTERN LAY-OUT MAN (foundry).....	5-17.030
SHEET-METAL LAY-OUT MAN (sheet metal work).....	4-80.020
SHEET-METAL WORKER (sheet metal work).....	4-80.010
SKIN MAN (air transportation; aircraft manufacturing).....	5-03.552
TEMPLATE INSPECTOR (aircraft manufacturing).....	4-80.025

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### RELATED FIELDS OF WORK

Sheet Metal Work.....	4-X6.313
Structural Painting and Related (Brush or Spray).....	4-X6.246
Welding and Related.....	4-X6.28

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For additional information see PANEL BEATER (BODY REPAIR MAN) (ARMY TRADE GROUPS C AND B).



## PARACHUTE PACKER (ARMY TRADE GROUP C)

Folds and packs parachutes: repacks parachutes that have been opened in use; draws canopy of parachute from pack cover; straightens shrouds to eliminate coils or tangles; folds canopy, one segment over the other; loops each of the shrouds and forces them into the retaining clips of pack cover; folds canopy in a fanfold arrangement and places in pack cover; places pilot chute over the parachute canopy, forces spring flat with hands and secures it in place with rip cord; inspects buckles and harness straps for damage or wear; issues equipment and keeps records of section.

Must have completed a two week packing instruction course and have two weeks practical experience. Must have thorough knowledge of the construction and operation of parachutes and of material specifications concerning parachutes and harness. Should be able to identify and know the purpose of packing knots, thread and cord. Should be able to tie square, safety and half-hitch knots.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring on-the-job training in inspection of parachutes or in hand sewing:

AWNING FINISHER (canvas goods, flags & banners).....	6-27.812
BURLER (carpet & rug).....	6-19.333
CANOPY STRINGER (aircraft manufacturing).....	6-27.965
HEMMER, HAND (carpet & rug).....	6-19.621
PARACHUTE INSPECTOR (aircraft manufacturing).....	6-27.140
PARACHUTE PACKER (air transportation).....	7-49.021
SEAT-PACK INSPECTOR (aircraft manufacturing).....	6-27.141
SEWER, HAND (automobile manufacturing).....	6-27.078

#### II Occupations requiring additional training in working with various fabrics, and in rope coiling and sewing machine operation:

AWNING MAKER (canvas goods, flags & banners).....	6-27.811
CANVAS-COVER REPAIRMAN (any industry).....	6-27.814
FABRIC WORKER (aircraft manufacturing).....	5-03.030
MATTRESS-SPRING ENCASER (mattress & bedspring).....	6-36.422
ROPE-COILING-MACHINE OPERATOR (textile).....	6-19.731
SAIL FINISHER (canvas goods, flags & banners).....	4-27.812
SEWING-MACHINE OPERATOR (aircraft manufacturing).....	6-27.502
SEWING-MACHINE OPERATOR (canvas goods, flags & banners).....	6-27.504

#### III Occupations requiring considerable additional training in cutting, sewing and fitting canvas, fabric and leather:

AIRPLANE COVERER (aircraft manufacturing).....	5-03.010
CANVAS WORKER (canvas goods, flags & banners; ship & boat building & repairing).....	4-27.811
CUSHION MAKER (furniture).....	6-35.140
HARNESS MAKER (leather products).....	6-62.070
MATTRESS FINISHER (mattress & bedspring).....	4-36.413
PARACHUTE REPAIRMAN (aircraft manufacturing; air transportation).....	6-27.950
SAIL LAY-OUT MAN (canvas goods, flags & banners).....	4-27.813

### RELATED FIELDS OF WORK

Simple Visual Inspecting.....	6-X2.381
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## PARACHUTE RIGGER (ARMY TRADE GROUP C)

Packs and repairs all types of parachutes used for jumping or supply dropping; sews connector links; repairs parachute canopies, suspension lines, pack trays and pack covers; makes harness for equipment bundles and aerial delivery units; uses and maintains all types of sewing machines in maintenance section; ties knots such as bowline, square, surgeon's, half-hitch and whipping.

Must have a knowledge of parachute equipment and have completed a two weeks course of instruction in parachute packing.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

AWNING FINISHER (canvas goods, flags & banners).....	6-27.812
CANOPY STRINGER (aircraft manufacturing).....	6-27.965
PARACHUTE FOLDER (aircraft manufacturing).....	6-27.973
PARACHUTE-HARNESS MAKER (aircraft manufacturing).....	6-27.502
PARACHUTE PACKER (air transportation).....	7-49.021
PARACHUTE REPAIRER (aircraft manufacturing).....	6-27.502
PARACHUTE REPAIRMAN (air transportation; aircraft manufacturing).....	6-27.950

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#### II Occupations requiring brief training to learn to operate industrial power sewing machines:

CLOSING-MACHINE OPERATOR (mattress & bedspring).....	6-36.418
EYE-MACHINE OPERATOR (aircraft manufacturing).....	6-27.967
MATTRESS-SPRING ENCASER (mattress & bedspring).....	6-36.422
SEWING-MACHINE OPERATOR (aircraft manufacturing).....	6-27.502
SEWING-MACHINE OPERATOR (automobile manufacturing).....	6-27.503
SEWING-MACHINE OPERATOR (canvas goods, flags & banners).....	6-27.504
SEWING-MACHINE OPERATOR (carpet & rug).....	6-27.505
SEWING-MACHINE OPERATOR (mattress & bedspring).....	6-27.518
TAPE-EDGE-MACHINE OPERATOR (mattress & bedspring).....	6-36.432
ZIG-ZAG-MACHINE OPERATOR (any industry).....	6-27.578

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#### III Occupations requiring additional training in the laying out, cutting, sewing or rigging of canvas, heavy fabric covers or leather goods:

AWNING FINISHER (canvas goods, flags & banners).....	6-27.812
CANVAS-COVER REPAIRMAN (any industry).....	6-27.814
HARNESS FITTER (leather products).....	6-62.060
HARNESS MAKER (leather products).....	6-62.070
LEATHER WORKER (automobile manufacturing).....	6-62.150
LEATHER WORKER (firearms & guns).....	6-62.160
RIGGER (canvas goods, flags & banners).....	6-27.813
TRIMMER (aircraft manufacturing).....	6-27.816

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### RELATED FIELDS OF WORK

Fabric Working (n.e.c.).....	4-X6.354
Miscellaneous Fabric or Leather Working (Hand or Hand Tool).....	6-X4.359

## PARACHUTE RIGGER (ARMY TRADE GROUP B)

In addition to the duties of Parachute Rigger (Group C), instructs and supervises staff in packing and repairing parachutes; replaces panels and suspension lines; makes alterations to canopy lines and pack tray; makes or alters standard troop type harness; carries out final inspection of parachutes on parachute jumpers prior to emplaning, and adjusts or replaces lacings; supervises the testing of parachutes by both live and dummy falls; makes test parachute jumps as required.

Must have complete knowledge of airing and storage, shipping and care of parachutes. Must know the requirements for packing rooms and equipment.

Must have had at least three and one-half months experience as a qualified Parachute Packer or Repairer.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

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#### I Occupations not requiring additional training:

CANOPY INSPECTOR (aircraft manufacturing).....	6-27.142
PARACHUTE INSPECTOR (II) (aircraft manufacturing).....	6-27.140
PARACHUTE REPAIRMAN (aircraft manufacturing; air transportation).....	6-27.950
PARACHUTIST (aircraft manufacturing; amusement & recreation).....	0-62.30
SEAT-PACK INSPECTOR (aircraft manufacturing).....	6-27.141

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#### II Occupations requiring brief additional training in the laying out, cutting, sewing, or rigging of canvas, heavy fabric covers or leather goods:

AIRPLANE COVERER (aircraft manufacturing).....	5-03.010
AWNING ASSEMBLER (canvas goods, flags & banners; retail trade)....	6-27.504
AWNING CUTTER; <i>Canvas Cutter</i> (canvas goods, flags & banners; retail trade).....	6-27.042
CANVAS WORKER (canvas goods, flags & banners; ship & boat building & repairing).....	4-27.811
FABRIC WORKER (aircraft manufacturing).....	5-03.030
MARKER (canvas goods, flags & banners).....	6-27.024
SAIL FINISHER (canvas goods, flags & banners).....	4-27.812
SAIL LAY-OUT MAN (canvas goods, flags & banners).....	4-27.813

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### RELATED FIELDS OF WORK

Close Visual Inspection.....	4-X6.381
Fabric Working.....	4-X6.354

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For additional information see PARACHUTE RIGGER (ARMY TRADE GROUP C).



## PATTERN MAKER (ARMY TRADE GROUPS C, B, and A)

Makes metal and wood patterns and core boxes; performs various machining operations on rough metal castings by milling, boring, drilling, grinding, and lathe turning; hand finishes castings by filing and filling in low spots with solder; builds wooden patterns and core boxes according to specifications, by glueing, nailing, screwing, sawing, planing, sanding, and painting, using carpenter's hand tools and shop machines; checks work with micrometers, calipers, and other measuring devices to ensure that pattern conforms to blueprint specifications. May apply protective coating to patterns.

Must know the working properties of metals and wood.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring brief on-the-job training:

BAND-SAWING-MACHINE OPERATOR (machine shop).....	6-78.611
CIRCULAR-SAWING-MACHINE OPERATOR (machine shop).....	6-78.612
MILLING-MACHINE OPERATOR (machine shop).....	4-78.031
MULTIPLE-SPINDLE-DRILL-PRESS OPERATOR (machine shop).....	6-78.081
PATTERNMAKER, METAL (foundry).....	5-17.010
PATTERNMAKER, WOOD (foundry; planing mill).....	5-17.020
PLANER OPERATOR (machine shop).....	4-78.070
PLANER OPERATOR (IV) (woodworking).....	4-33.461
SINGLE-SPINDLE-DRILL-PRESS OPERATOR (machine shop).....	6-78.083
WOOD TURNER (woodworking).....	4-33.363

#### II Occupations requiring brief additional training in lay-out methods; or in following specifications for particular article produced:

FORM BUILDER (aircraft manufacturing).....	5-17.060
LAY-OUT MAN (woodworking).....	4-33.912
PATTERN LAY-OUT MAN (foundry).....	5-17.030
PATTERNMAKER (furniture).....	5-17.080
SAMPLE-BODY BUILDER (automobile manufacturing).....	5-17.110
TEMPLATE MAKER (ship & boat building & repairing).....	5-17.220
TEMPLATE MAKER, STRUCTURAL STEEL (structural & ornamental metal work).....	4-84.630

#### III Occupations requiring considerable additional training in methods and techniques used to make sand or plaster moulds, and tools:

DIE SINKER (machine shop).....	4-76.010
MACHINIST (machine shop).....	4-75.010
MOLD MAKER (X) (jewelry).....	5-17.310
PATTERNMAKER (XI) (aircraft manufacturing).....	5-17.248
PLASTER-PATTERN CASTER (aircraft manufacturing).....	5-17.250
SHIPFITTER (ship & boat building & repairing).....	4-84.012
TOOL-AND-DIE MAKER (machine shop).....	4-76.040
TOOL MAKER (machine shop).....	4-76.210

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### RELATED FIELDS OF WORK

All-Around Metal Machining.....	4-X2.010
Bench Crafts.....	4-X6.3
Woodworking Machine Operating.....	6-X4.42

## PERSONAL IDENTIFICATION (NON-TRADE SPECIALIST)

Takes and records fingerprints, footprints and palmprints of living and deceased personnel; treats dermis of partly decomposed bodies to obtain a legible impression; classifies fingerprints by pattern area, termini, arches, loops and whorls; searches and compares fingerprints and makes identifications; recognizes, treats, and develops latent and semi-latent fingerprints; examines, handles, packs and ships exhibits; telegraphs fingerprint classifications, using codes; does fingerprint photography and copying and makes prints and enlargements.

Must have good eyesight, patience, perseverance and manual dexterity. Must know filing formula in general use. Must know modified and extended Henry system. Must be able to classify accurately a minimum of 25 fingerprints per hour. Must be qualified as Clerk (Group C).

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring brief on-the-job training:

CODING CLERK (clerical & kindred).....	1-36.05
DARKROOM MAN (any industry).....	5-86.510
FILE CLERK (III) (clerical & kindred).....	1-17.03
FINGERPRINT CLASSIFIER (governmental services).....	0-66.33
FINGERPRINT CLERK (governmental services).....	1-49.75
FINGERPRINT EXPERT (governmental services).....	0-66.33
PHOTOGRAPH FINISHER (III) (any industry).....	7-86.514

#### II Occupations requiring brief additional training in darkroom techniques used in printing and publishing; or in the development of motion picture films:

CARBON PRINTER (printing & publishing).....	6-49.610
CHEMICAL MIXER (motion picture).....	5-86.010
FILM DEVELOPER (motion picture).....	5-86.020
FILM PRINTER (motion picture).....	5-86.030
FILM TECHNICIAN (motion picture).....	5-86.080
PHOTOLITH OPERATOR (any industry).....	7-86.350
STRIPPER AND PRINTER (printing & publishing).....	4-47.300

#### III Occupations requiring considerable additional training in analyzing or testing various commercial products; or in methods of investigating claims for death or loss or damage; or in methods of measuring criminals:

BERTILLION EXPERT (governmental services).....	0-66.32
CLAIM AGENT (any industry).....	1-48.08
CLOTH TESTER, QUALITY (textile).....	0-50.42
DEATH-CLAIM EXAMINER (insurance).....	1-08.06
LABORATORY TESTER; <i>Milk Tester</i> (dairy products; ice cream).....	0-50.46
SCIENTIFIC HELPER; <i>Laboratory Assistant</i> (professional & kindred).....	0-50.23
TESTER, CHEMICAL PROCESS (chemical).....	6-52.763

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### RELATED FIELDS OF WORK

Classifying and Related Work.....	1-X4.0
Photographic Work (Photoengraving and Darkroom Work).....	4-X6.588
Protective Service Work.....	0-X6.25
Routine Recording Work.....	1-X2.9

## PHARMACIST AND DISPENSER (ARMY TRADE GROUP A)

Compounds and dispenses pharmaceuticals: measures liquid pharmaceuticals, using a graduate; weighs drugs and chemicals on Apothecary's scale; grinds compounds, using mortar and pestle; operates powder and ointment compounding machinery, and power mixers for liquid preparations; makes up, packages, labels and files prescriptions; maintains shelf stock and inventory records.

Must be a Pharmacist duly qualified in accordance with pharmaceutical standards of one of the provinces of the Dominion of Canada and hold a licence to practise.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>		
PHARMACEUTICAL DETAIL MAN (wholesale trade).....		1-85.33
PHARMACEUTICAL-LABORATORY ASSISTANT (professional & kindred).....		0-50.02
PHARMACIST (professional & kindred).....		0-25.10
PHARMACOGNOSIST (professional & kindred).....		0-07.91
PRESCRIPTION CLERK (retail trade).....		0-25.20
<b>II Occupations requiring brief additional training in techniques of laboratory research and testing:</b>		
BENCHMAN (sugar).....		0-50.24
BIOLOGICAL AIDE (agriculture).....		3-48.92
CHEMIST, ASSISTANT (professional & kindred).....		0-50.22
LABORATORY TESTER (canning & preserving).....		0-50.25
LABORATORY TESTER (dairy products; ice cream).....		0-50.46
LABORATORY TESTER (IV) (textile).....		0-50.41
MEDICAL TECHNICIAN (medical services).....		0-50.01
PHARMACEUTICAL BOTANIST (professional & kindred).....		0-25.10
SCIENTIFIC HELPER (professional & kindred).....		0-50.23
<b>III Occupations requiring considerable additional training in the applied science of chemistry of living organisms or bacteriology; or in the teaching of pharmacy:</b>		
BACTERIOLOGIST (professional & kindred).....		0-39.36
BIOLOGIST (professional & kindred).....		0-39.31
CHEMIST, BIOLOGICAL (professional & kindred).....		0-07.02
IMMUNOLOGIST (professional & kindred).....		0-39.36
PATHOLOGICAL TECHNICIAN (professional & kindred).....		0-50.01
TEACHER, COLLEGE OR UNIVERSITY (professional & kindred)....		0-11.50

### RELATED FIELDS OF WORK

Biochemical Work.....	0-X7.03
Inspecting and Testing.....	4-X6.38



## PHOTO WRITER (ARMY TRADE GROUPS C, B, and A)

Retouches negatives to make additions or corrections; duffs out unwanted detail on Dry or Wet Plate negatives; makes additions or alterations to fine lettering and detail on negatives; retouches colour separated negatives in preparation for printing to metal; strips negatives into position on printing negative.

Must have knowledge of camera processes and of contents and preparation of solutions used by Photo Writers. Must have knowledge of chemistry and lithographic processes, and of use and care of drawing instruments.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring brief on-the-job training:

PHOTOGRAPH FINISHER (III) (any industry).....	7-86.514
PHOTOGRAPH RETOUCHER (any industry).....	5-86.540
RETOUCHER, ROTOGRAVURE (printing & publishing).....	4-49.610
SPOTTER, PHOTOGRAPHIC (any industry).....	5-86.520

#### II Occupations requiring additional training in methods of developing or printing film; or in use of developing and printing chemicals and equipment:

CHEMICAL MIXER (motion picture).....	5-86.010
DARKROOM MAN (any industry).....	5-86.510
DEVELOPER (any industry).....	5-86.512
FILM DEVELOPER (motion picture).....	5-86.020
FILM PRINTER (motion picture).....	5-86.030
FILM TECHNICIAN (motion picture).....	5-86.080
PHOTOGRAPH PRINTER (any industry).....	5-86.514
PROJECTION PRINTER (any industry).....	5-86.516
STRIPPER AND PRINTER (printing & publishing).....	4-47.300

#### III Occupations requiring considerable additional training in decorative methods used in painting; or in methods of utilizing colours and paint to obtain desired results:

BEN-DAY ARTIST (printing & publishing).....	0-44.01
COLORER (printing & publishing).....	0-44.23
COLORIST, PHOTOGRAPHY; <i>Colour Artist</i> (professional & kindred)...	0-44.24
DECORATOR (glass manufacturing).....	4-65.910
PAINTER, GLASS (glass products).....	0-04.21
PAINTER, PLATE (textile).....	0-44.46
PROCESS ARTIST (printing & publishing).....	0-44.07

### RELATED FIELDS OF WORK

Art Work (Brush, Spray, Pen, Stylus and Related).....	4-X6.50
Photographic Work (Photoengraving and Darkroom Work).....	4-X6.58

## PHOTOGRAMMETRIST (ARMY TRADE GROUP C)

Makes drawings or tracings on any medium in ordinary use, to the standard of speed, accuracy and neatness required for common engineering plans; uses draughting instruments and equipment.

Must be proficient in Grade School Mathematics, and be able to construct scales of yards, miles and metres, given the Representative Fraction. Must be able to do rapid single stroke lettering and use Uno type of stencil.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training:

LAY-OUT MAN (I) (signs & advertising novelties).....	5-13.311
MAP CLERK (insurance).....	1-08.48
PATTERNMAKER (marble, granite, slate, & other stoneworking).....	7-17.020
SKETCH MAKER (textile).....	0-44.45
TRACER (professional & kindred).....	0-48.31
TRACER (marble, granite, slate, & other stoneworking).....	6-69.620

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#### II Occupations requiring brief additional training in techniques involving the use of unfamiliar hand tools; or in techniques of lay-out; or in the fundamentals of draughting:

DETAILER (professional & kindred).....	0-48.01
DRAFTSMAN APPRENTICE, MARINE (professional & kindred).....	0-69.45
DRAFTSMAN, LANDSCAPE (professional & kindred).....	0-48.13
GEODETIC COMPUTER (governmental services).....	0-64.40
LENS MARKER (optical goods).....	4-73.060
PROCESS ARTIST (printing & publishing).....	0-44.07
SURVEYOR, ASSISTANT (bituminous coal mining).....	0-64.20

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#### III Occupations requiring considerable additional training in the specific industry and type of draughting involved; or in techniques of designing:

DRAFTSMAN, MAP; <i>Map Maker</i> (professional & kindred).....	0-14.15
DRAFTSMAN, MARINE (professional & kindred).....	0-48.16
DRAFTSMAN, MECHANICAL (professional & kindred).....	0-48.18
DRAFTSMAN, TOPOGRAPHICAL (professional & kindred).....	0-48.26
PATTERN LAY-OUT MAN (foundry).....	5-17.030
SIGN DESIGNER (signs & advertising novelties).....	0-46.96
STENCIL CUTTER; <i>Engraver, Hand</i> (marble, granite, slate, & other stone-working).....	4-69.610

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### RELATED FIELDS OF WORK

Drafting and Related.....	0-X7.7
Graphic Art Work.....	4-X6.5

PHOTOGRAMMETRIST (ARMY TRADE GROUPS B and A)

Constructs topographic maps and charts from aerial photographs, using map-plotting instruments: computes ratio scale of vertical and oblique aerial photographs; makes mathematical computations in connection with construction of tables and graphs, in order to correct distortion in photographs and stereographic displacements; matches and assembles prints into a mosaic map upon a control board, picking principal and wing points of prints by stereoscopic method, and makes planimetric maps for use in constructing topographic maps; lays out perspective grid on plots, adjusting grid plots to control and transferring field or air photo information from gridded photographs to plots; makes fair drawing of compiled map.

Must be familiar with conventional mapping symbols and signs. Must be proficient in any two of the following subdivisions of mapping: Control, Topography, Multiplex Operation, Photo Interpretation, Compilation, or Fairdrawing.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<b>I Occupations requiring brief additional training in specific techniques of related types of draughting:</b>		
DRAFTSMAN, LANDSCAPE (professional & kindred).....		0-48.13
DRAFTSMAN, MAP; <i>Map Maker</i> (professional & kindred).....		0-48.15
DRAFTSMAN, TOPOGRAPHICAL (professional & kindred).....		0-48.26
GEODETIC COMPUTER (governmental services).....		0-64.40
<b>II Occupations requiring additional training to become familiar with specific industry and type of draughting involved, and with unfamiliar symbols and nomenclature:</b>		
DETAILER (professional & kindred).....		0-48.01
DRAFTSMAN, AERONAUTICAL (professional & kindred).....		0-48.04
DRAFTSMAN, ARCHITECTURAL (professional & kindred).....		0-48.05
DRAFTSMAN, COMMERCIAL (professional & kindred).....		0-48.06
DRAFTSMAN, CONSTRUCTION (professional & kindred).....		0-48.08
DRAFTSMAN, ELECTRICAL (professional & kindred).....		0-48.11
DRAFTSMAN, MARINE (professional & kindred).....		0-48.16
<b>III Occupations requiring considerable additional training in the use of cameras, to photograph the ground from the air; or extensive additional technical training in designing, in geology, in the construction of aircraft, or in surveying for topographic purposes:</b>		
ARCHITECT, LANDSCAPE (professional & kindred).....		0-30.20
ARTIST, SCIENTIFIC (professional & kindred).....		0-44.41
DIE DESIGNER (machine shop).....		0-48.42
LOFTSMAN (aircraft manufacturing).....		5-17.245
SURVEYOR, TOPOGRAPHICAL (professional & kindred).....		0-64.10
SURVEYOR, TOPOGRAPHICAL PHOTOGRAPHY (professional & kindred).....		0-64.60
<b>RELATED FIELDS OF WORK</b>		
Landscape Drafting and Surveying.....		0-X7.73
Mechanical Drafting and Related.....		0-X7.74
Structural Drafting and Related.....		0-X7.72

For additional information see PHOTOGRAMMETRIST (ARMY TRADE GROUP C).



## PHOTOGRAPHER (ARMY TRADE GROUPS C, B, and A)

Performs all phases of Army photography: operates and maintains all types of still, view, copying and identification cameras, with special skill in fingerprint photography; operates photoflash and projection equipment and all types of laboratory and darkroom equipment; processes film and makes photographic prints, both contact and enlargement; performs all photographic work necessary to produce lantern slides and slide films; mixes solution needed in photographic laboratory; finishes, mounts and spots photographic prints of all types; scales copies of maps of any dimensions and understands colour separation of maps; cleans, lubricates and makes general adjustments and minor repairs to cameras and darkroom equipment such as printers, enlargers and washers; assists in the maintenance, care, storage and handling of all photographic supplies, materials and equipment.

Must know basic theory of light and photochemical action. Must know the basic theory of lenses and image formation. Must know basic photographic chemistry. Should know basic principles of colour photography.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring brief on-the-job training to learn appropriate photographic techniques; or to learn commercial darkroom methods of processing and printing:

DARKROOM MAN (any industry).....	5-86.510
DEVELOPER (any industry).....	5-86.512
PHOTOGRAPH PRINTER (any industry).....	5-86.514
PHOTOGRAPHER, COMMERCIAL (professional & kindred).....	0-56.11
PHOTOGRAPHER, FINISH (amusement & recreation).....	0-56.91
PHOTOGRAPHER, NEWS (printing & publishing).....	0-56.31
PHOTOGRAPHER, STREET (personal service).....	0-56.45
PHOTOGRAPHIC SENSITOMETRIST (motion picture).....	0-66.18

#### II Occupations requiring additional training in techniques of lithographing, photoengraving, photostating, and other reproductive methods utilizing photographic machines; or in the assembly or inspection of photographic equipment:

CAMERA INSPECTOR (photographic apparatus & materials).....	7-09.330
CAMERA REPAIRMAN (any industry).....	5-83.901
PHOTOCOMPOSING-MACHINE OPERATOR (printing & publishing)...	4-49.940
PHOTOENGRAVER (printing & publishing).....	4-47.100
PHOTOLITHOGRAPHER (printing & publishing).....	4-46.200
PHOTOSTAT OPERATOR (any industry).....	5-86.310
PROJECTOR ASSEMBLER (photographic apparatus & materials).....	7-09.327
TECHNICAL-MAINTENANCE MAN (any industry).....	5-83.905

#### III Occupations requiring considerable additional training in operation of motion picture cameras; in methods of recording or mixing sound or printing sound tracks for motion pictures; or to learn operation of X-ray machines:

CAMERAMAN (motion picture).....	0-56.41
CAMERAMAN, TITLE (motion picture).....	0-56.42
DISK RECORDIST (motion picture).....	0-66.12
DUPE MIXER, CHIEF (motion picture).....	0-66.17
FILM RECORDIST (motion picture).....	0-66.13
SOUND MIXER (motion picture).....	0-66.14
SOUND PRINTER (motion picture).....	5-86.060
X-RAY TECHNICIAN (medical services).....	0-50.04

### RELATED FIELDS OF WORK

Photographic Work (Photoengraving and Darkroom Work).....	4-X6.588
Technical Control Work.....	0-X7.49

## PHOTOGRAPHER (CINEMATOGRAF) (ARMY TRADE GROUPS C, B, and A)

Operates cine and still cameras and associated equipment to produce newsreel and training pictures; loads, threads and sets up all types of motion picture cameras; fits correct lens; determines most effective angle of view; adjusts and focuses camera and follows action through view finder, taking necessary shots; changes focus on a moving shot; marks a number board for identification of each scene shot and keeps a full report sheet for records and laboratory instruction; unloads camera; develops small strips of film for testing purposes; maintains and makes elementary repairs to camera and equipment.

Must be able to judge exposure correctly in all types of weather for all types of subjects. Must have a full practical knowledge of lenses and filters. Must have a knowledge of continuity in motion picture and must have the ability to connect one camera angle to another. Must have a good knowledge of "trick" and "model" photography. Must understand basic principles of film editing and directing.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring brief on-the-job training:

CAMERAMAN (motion picture).....	0-56.41
CAMERAMAN ASSISTANT (motion picture).....	0-56.43
DARKROOM MAN (any industry).....	5-86.510
PHOTOGRAPHER, COMMERCIAL (professional & kindred).....	0-56.11
PHOTOGRAPHER, NEWS (printing & publishing).....	0-56.31
PHOTOGRAPHER, STREET (personal service).....	0-56.45

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#### II Occupations requiring brief additional training in repairing motion picture cameras; or in methods of developing and printing film; or in use of special type cameras or machines for making photographs of documents:

CAMERA REPAIRMAN (any industry).....	5-83.901
FILM DEVELOPER (motion picture).....	5-86.020
FILM TECHNICIAN (motion picture).....	5-86.080
MACHINIST, CAMERA (motion picture).....	5-83.901
PHOTOCOMPOSING-MACHINE OPERATOR (printing & publishing)...	4-49.940
RECORDAK OPERATOR (clerical & kindred).....	1-25.92
STRIPPER AND PRINTER (printing & publishing).....	4-47.300

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#### III Occupations requiring considerable additional training in methods of organizing scene sequences; or in operating recording machine for transfer of sound impulse; or in techniques of X-ray photography:

CONTINUITY WRITER (amusement & recreation; motion picture).....	0-06.23
EDITOR, FILM (motion picture).....	0-06.28
FILM RECORDIST (motion picture).....	0-66.13
PHOTOGRAPHER, X-RAY (medical services).....	0-50.04
PHOTOGRAPHIC SENSITOMETRIST (motion picture).....	0-66.18
RECORDIST, CHIEF (motion picture).....	0-66.11
X-RAY TECHNICIAN (boilermaking).....	0-50.40

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### RELATED FIELDS OF WORK

Photographic Work (Photoengraving and Darkroom Work).....	4-X6.588
Technical Control Work (Inspecting, Testing and Machine Operating)....	0-X7.49

## PIONEER (ARMY TRADE GROUP C)

Men assigned this classification are tradesmen's helpers in the Royal Canadian Engineers: such men will have passed Group C test in a recognized R.C.E. trade or have passed a course in field works.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

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Selection of related civilian occupations will be largely determined by such factors as the skills acquired in the particular trade to which assigned in the service, as well as vocational plans or ambitions, education, previous civilian working experience and local job opportunities.

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For additional information see Army Trade Group C of the particular Army Trade for which the Pioneer has qualified.



## PLATELAYER (ARMY TRADE GROUP C)

Under supervision, prepares road bed for rails, and lays, levels, and tamps railroad tracks: levels right-of-way; lays down ties and rails, spacing properly; inserts shims; drives spikes into ties to hold rails in position; lays sliding plates; fills in ballast and packs tracks; straightens rails; raises tracks; constructs buffer stops and temporary platforms from sketches; cleans switches, ditches, and drains; piles old ties; takes charge of and walks a short length of track, to examine way for damage or wear.

Must be able to bend rails to pattern.

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### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

#### I Occupations requiring brief on-the-job training:

BRATTICE MAN (bituminous coal mining; metal mining).....	7-22.810
CAR-STRAIGHTENER HELPER (railroad locomotive & car building & repairing).....	9-05.01
RIGGER (machine shop).....	9-65.64
ROADMAN (logging).....	8-30.10
SHORER (construction).....	7-32.051
TRACKMAN (construction).....	9-32.41
TRACKWALKER (railroad transportation).....	9-49.30
YARDMAN (ship & boat building & repairing).....	7-05.530

#### II Occupations requiring brief additional training in the supervision of railroad track workers; or in fitting and fastening together metal forms:

ASPHALT RAKER (construction).....	7-32.215
FORM SETTER, STEEL FORMS (construction).....	7-32.072
FORM-TAMPER OPERATOR (construction).....	7-32.703
JOIST SETTER, ADJUSTABLE STEEL (construction).....	6-84.120
RAILROAD FOREMAN (construction).....	5-94.140
STEEL ERECTOR (ship & boat building & repairing).....	6-84.115
TRACK-MOVING-MACHINE OPERATOR (metal mining).....	7-22.570
WAY INSPECTOR (railroad transportation).....	5-76.010

#### III Occupations requiring considerable additional training in the assembly, installation or repair of heavy metal or wood structural members:

BATTEN MAKER (ship & boat building & repairing).....	5-05.510
CARPENTER, ROUGH (construction).....	5-25.230
STOVE MOUNTER (heating apparatus).....	4-93.411
STRUCTURAL-STEEL WORKER (construction).....	4-84.010
TANK BUILDER (petroleum & natural gas production).....	4-84.030
TENDER-TRUCK REPAIRMAN (railroad locomotive & car building & repairing).....	5-79.020
TIMBERMAN (II) (construction).....	5-25.260

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### RELATED FIELDS OF WORK

Heavy Metal Structural Work.....	4-X6.211
Simple Heavy Metal Structural Work.....	6-X4.211
Simple Structural Work, Assorted Heavy Materials.....	6-X4.209
Wood Structural Work.....	4-X6.22

## PLATELAYER (ARMY TRADE GROUP B)

In addition to the duties of Platelayer (Group C), supervises the preparation of military railroad right-of-way and the laying, leveling, and tamping of railroad tracks; superintends maintenance of right-of-way, including replacement and installation of switches and crossings; bends guard and wing rails to suit any type of crossing; is responsible for proper drainages, curvatures, grades, and clearances; makes rough estimates of labour, tools, materials, time, and rolling stock required for any given job.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring brief on-the-job training:

FINE-GRADING FOREMAN (construction).....	5-94.080
FORM SETTER, METAL ROAD-FORMS (construction).....	7-32.071
FORM-TAMPER OPERATOR (construction).....	7-32.073
RAILROAD FOREMAN (construction).....	5-94.140
SUBGRADE TESTER (construction).....	7-32.128
TRACK-MOVING-MACHINE OPERATOR (metal mining).....	7-22.570
WAY INSPECTOR (railroad transportation).....	5-76.101

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#### II Occupations requiring brief additional training in heavy metal or wood structural work:

BRIDGE BUILDER (construction; logging).....	5-25.260
CAR STRAIGHTENER (railroad locomotive & car building & repairing).....	5-79.020
CARPENTER, DOCK (construction).....	5-25.260
CONNECTOR (construction).....	4-84.040
IRONWORKER, SHOP (structural & ornamental metal work).....	4-84.610
SHAFTMAN (II) (bituminous coal mining; metal mining).....	5-22.910
TANK BUILDER (petroleum & natural gas production).....	4-84.030

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#### III Occupations requiring considerable additional technical training in construction engineering as it pertains to bridges and highways; or in supervision of road bed maintenance:

BRIDGE INSPECTOR (railroad transportation).....	5-76.015
CONSTRUCTION INSPECTOR (construction).....	0-79.01
GRADING FOREMAN (construction).....	5-94.020
MAINTENANCE-CONSTRUCTION ENGINEER (professional & kindred).....	0-16.01
RIGHT-OF-WAY ENGINEER (light, heat, & power; telephone & telegraph).....	0-16.01
ROADMASTER (railroad transportation).....	0-98.71

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### RELATED FIELDS OF WORK

Drainage and Grading Work.....	6-X4.297
Heavy Metal Structural Work.....	4-X6.211
Structural Engineering & Related.....	0-X7.42
Wood Structural Work.....	4-X6.22

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For additional information see PLATELAYER (ARMY TRADE GROUP C).

# **PLUMBER AND PIPEFITTER (ARMY TRADE GROUPS C and B)**

Assembles and installs water and waste-disposal systems: lays out work from blueprints; cuts openings in walls for pipe; binds, cuts, reams and threads pipe; makes compression, wiped, caulked and soldered joints, drawing upon knowledge of type of joint most suited to the particular use and kind of pipe; screws elbows, tees, and similar fittings to pipe to change direction of pipe line; installs water and sanitary fixtures and equipment with their supports, hangers or foundations.

Must be able to estimate time and materials required. Should have knowledge of use of caulking, packing and gasket materials.

## **RELATED CIVILIAN EMPLOYMENT**

**Dictionary of  
Occupational  
Titles - Codes**

### **I Occupations not requiring additional training:**

HANGERMAN (ship & boat building & repairing).....	5-30.020
PIPE CUTTER, AWNINGS (retail trade).....	6-95.057
PIPE FITTER (construction).....	5-30.010
PIPE FITTER, SOFT COPPER (construction).....	5-30.210
PIPE LAYER (II) (construction).....	7-32.312
PIPEMAN (light, heat, & power).....	5-53.940
PLUMBER (construction).....	5-30.210
PLUMBER, MAINTENANCE (any industry).....	5-30.210
SOLDERER (any industry).....	6-95.001
WATER-METER INSTALLER (waterworks).....	7-83.471

### **II Occupations requiring brief additional training in lead working; or in use of welding equipment; or in installation and repair of air and oil pipe lines:**

LEAD BURNER (construction; petroleum refining; ship & boat building & repairing).....	4-95.031
LINE WALKER (petroleum & natural gas production; petroleum refining; pipe-line operation).....	7-49.401
PIPE ASSEMBLYMAN (ship & boat building & repairing).....	5-30.030
PIPE FITTER, ELECTRIC-ARC WELDING (construction).....	5-30.010
PIPE-FITTER FOREMAN (construction).....	5-30.010
PIPE-LINE FOREMAN (construction).....	5-94.120
PNEUMATIC-TUBE FITTER (construction).....	5-30.010
RADIATOR-CORE REPAIRMAN (automobile manufacturing).....	7-02.014
YARD MECHANIC (petroleum refining).....	5-30.410

### **III Occupations requiring considerable additional training in maintenance of fire-extinguishing apparatus; or in installing air, oil or water pipe systems in ships and aircraft; or in techniques of large-scale sewage disposal:**

FIRE-EQUIPMENT MAN (petroleum refining).....	2-63.20
HEATING-AND-VENTILATING-INSTALLATION ASSEMBLER (aircraft manufacturing).....	5-03.562
HOSEMAN (ship & boat building & repairing).....	5-83.641
LABORATORY-EQUIPMENT INSTALLER (construction).....	5-32.961
LAYER-OUT, PIPING (ship & boat building & repairing).....	5-05.630
PIPE FITTER (ship & boat building & repairing).....	5-30.015
PLUMBER, AIRCRAFT (aircraft manufacturing).....	5-03.562
REFRIGERATION MECHANIC (any industry).....	5-83.941
SEWER AND WATERWORKS FOREMAN (construction).....	5-94.180
TUBING INSPECTOR (aircraft manufacturing).....	6-78.677

## **RELATED FIELDS OF WORK**

Drainage and Grading Work.....	6-X4.297
Plumbing and Related.....	4-X6.217



## POSTAL SORTER (ARMY TRADE GROUPS C and B) POSTAL SUPERVISOR (ARMY TRADE GROUP A)

Performs various services required to operate a military post office: handles money orders, registry service, stamp sales, insured mail service, postal notes and savings bank transactions; prepares and dispatches mail; handles claims and complaints relating to mail service; determines classes of mail and proper rates of postage; distributes incoming mail; maintains accurate record of forwarding addresses of transferred personnel for the forwarding of mail; maintains directory service for incorrectly addressed or undeliverable mail; prepares requisitions for postal supplies and equipment; handles secret and confidential material. Postal Supervisor (Group A) trains and supervises personnel.

Postal Supervisor (Group A) should know how to organize post office establishment. Must have a comprehensive knowledge of the operation, maintenance and distribution of motor transport vehicles used by Canadian Postal Corps.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### **I Occupations not requiring additional training:**

MAIL CARRIER (governmental services).....	1-28.01
MAIL CLERK (clerical & kindred).....	1-18.01
MAIL SORTER (governmental services).....	1-27.10
MAIL SORTER (railroad transportation).....	1-31.10
MAIL TRACER (clerical & kindred).....	1-18.93
PARCEL-POST CLERK (clerical & kindred).....	1-18.02
POST-OFFICE CLERK (retail trade).....	1-12.38

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#### **II Occupations requiring brief additional training in checking, sorting or routing materials other than mail:**

CHECKER (clerical & kindred).....	1-03.02
DISPATCHER (insurance).....	1-18.01
INVOICE-CONTROL CLERK (clerical & kindred).....	1-03.07
OVER-SHORT-AND-DAMAGE CLERK (railroad transportation).....	1-11.07
RAILWAY EXPRESS CLERK (railroad transportation).....	1-11.08
ROUTER (clerical & kindred).....	1-34.11
ROUTING CLERK (banking).....	1-06.28
SHIPPING CLERK (clerical & kindred).....	1-31.13
STOCK-CONTROL CLERK (clerical & kindred).....	1-38.04
TRANSFER CLERK (retail trade).....	1-12.41

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#### **III Occupations requiring considerable additional training in dispatching vehicles; or in managing depots; or in handling valuables:**

DISPATCHER, MOTOR VEHICLE (clerical & kindred).....	1-18.61
MANAGER, DELIVERY DEPARTMENT (telephone & telegraph).....	1-34.27
MANAGER, TERMINAL (motor vehicle transportation).....	0-98.95
MANAGER, TRAFFIC (motor vehicle transportation).....	1-44.43
MANAGER, WAREHOUSE (any industry).....	0-99.92
MONEY-DEPARTMENT FOREMAN (railroad transportation).....	0-98.67
TAXICAB STARTER (motor vehicle transportation).....	7-49.202

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### RELATED FIELDS OF WORK

Classifying and Related Work.....	1-X4.0
Equipment and Material Checking.....	1-X2.8

# **PRINTER (COMPOSITOR) (ARMY TRADE GROUPS C and B)**

Sets type by hand for printing; uses, cares for and operates compositor's tools and equipment; sets straight copy with correct spacing; lays out, composes and locks up forms; composes by hand all types of faces and characters to make complete layout ready for printing presses; prepares art proofs and forms for lithographic work.

Must understand type sizes, faces and measures. Should have knowledge of stone work and methods of preparing jobs for the press. Must have knowledge of use and limitations of mechanical type setting machines.

## **RELATED CIVILIAN EMPLOYMENT**

**Dictionary of  
Occupational  
Titles - Codes**

### **I Occupations not requiring additional training:**

AD COMPOSITOR (printing & publishing).....	4-44.010
BANKMAN (printing & publishing).....	4-44.210
COMPOSITOR (I) (printing & publishing).....	4-44.010
IMPOSER (printing & publishing).....	4-44.220
MAKE-UP MAN (printing & publishing).....	4-44.230
MAKER-UP (printing & publishing).....	4-44.240
TYPE SETTER (printing & publishing).....	4-44.010

### **II Occupations requiring brief additional training to learn the keyboard and operating of a machine that sets lines of type or selects and assembles matrices automatically:**

BRaille-MACHINE OPERATOR (printing & publishing).....	6-49.960
CASTING-MACHINE OPERATOR (printing & publishing).....	6-49.310
LINOTYPE OPERATOR (printing & publishing).....	4-44.110
LUDLOW-MACHINE OPERATOR (printing & publishing).....	6-49.320
MONOTYPE-KEYBOARD OPERATOR (printing & publishing).....	4-44.120
OVERLAY CUTTER (printing & publishing).....	4-49.930
PRINTER (printing & publishing).....	4-44.010

### **III Occupations requiring considerable additional training in techniques of stereotyping or in electroplating:**

PATTERNMAN (printing & publishing).....	4-45.015
ELECTROTYPE CASTER (printing & publishing).....	4-45.010
ELECTROTYPE-MOLD BUILDER (printing & publishing).....	4-45.010
ELECTROTYPE MOLDER, WAX (printing & publishing).....	4-45.010
MAT-ROLLER-PRESS OPERATOR (printing & publishing).....	4-45.210
MAT TRIMMER-AND-BACKER (printing & publishing).....	4-45.210
PLATE FINISHER (printing & publishing).....	4-45.010
STRIPPER AND PRINTER (printing & publishing).....	4-47.300

## **RELATED FIELDS OF WORK**

Hand Composing.....	4-X6.568
Printing Plate Molding and Related.....	4-X6.569
Typesetting, Machine.....	4-X6.567

## PRINTER (MACHINE MINDER) (ARMY TRADE GROUPS C, B, and A)

Operates, maintains and repairs all types of hand and electrical printing presses; prepares and inserts tympan and plates; makes ready and locks up forms; adjusts feeder and jogger to obtain required speed of delivery and ink supply; operates hand operated platen and cylinder presses, or electrical automatic presses; overhauls and repairs presses including flat beds, vertical and lithography types; treats paper for moisture; prepares inks and colours.

Must be familiar with the various sizes and styles of type.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

BOX PRINTER (any industry).....	7-68.212
COMPOSITOR APPRENTICE (printing & publishing).....	7-98.010
CYLINDER-PRESS MAN (printing & publishing).....	4-48.010
ENVELOPE-PRESS MAN (printing & publishing).....	4-48.020
INKMAN (printing & publishing).....	6-49.970
LITHOGRAPHIC-PRESS MAN (printing & publishing).....	4-48.070
MACHINIST, LINOTYPE (printing & publishing).....	5-83.641
OFFSET-PRESS MAN (printing & publishing).....	4-48.050
PLATEN-PRESS MAN (printing & publishing).....	4-48.020
TIP PRINTER (hat & cap).....	6-24.996
WEB-PRESS MAN (printing & publishing).....	4-48.030

#### II Occupations requiring brief additional training in techniques of setting up printing forms; or in methods of printing on materials other than paper:

BANKMAN (printing & publishing).....	4-44.210
BLOCK PRINTER (textile).....	4-19.873
COMPOSITOR (printing & publishing).....	4-44.010
DRUM PRINTER (carpet & rug).....	6-19.874
ELECTROTYPYER (printing & publishing).....	4-45.010
IMPOSER (printing & publishing).....	4-44.220
MAKE-UP MAN (printing & publishing).....	4-44.230

#### III Occupations requiring considerable additional training in photoengraving and colouring; or in testing paper; or in maintenance repairs:

ALINER (typewriters & parts).....	6-94.431
BEN-DAY ARTIST (printing & publishing).....	0-44.01
LAY-OUT MAN (printing & publishing).....	0-44.25
MAINTENANCE MECHANIC (any industry).....	5-83.641
PAPER TESTER (paper & pulp).....	4-41.920
PHOTOENGRAVER, CLOTH DESIGNS (textile).....	4-47.100
PHOTOLITHOGRAPHER (printing & publishing).....	4-46.200

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### RELATED FIELDS OF WORK

All-Around Mechanical Repairing.....	4-X2.100
Printing Press Operating.....	4-X2.463
Typesetting and Related.....	4-X6.56



PROVOST, GENERAL DUTIES (NON-TRADE SPECIALIST)

Assists in enforcement of military laws and regulations, maintenance of order, and control of traffic: makes arrests; compiles charges and written reports; presents evidence in military courts; drives and maintains motor vehicles. Provost NCO handles administrative work of station or detachment, and directs its duties.

Must have working knowledge of map reading, first aid, military law, judo, Army organization, traffic control, and the use of mines and booby traps. Must have knowledge of the use and care of rifle, pistol, Bren gun and Sten carbine. Must exercise authority, with judgment, tact and firmness. Must be competent motor-cyclist.

RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

I Occupations requiring brief on-the-job training:

GATEMAN (any industry)	2-61.01
GUARD, INSTITUTION (governmental services)	2-61.21
PATROL CONDUCTOR (governmental services)	2-66.23
POLICEMAN (governmental services)	2-66.23
ROUNDSMAN (petroleum refining)	2-61.02
STATION-HOUSE CLERK (governmental services)	1-49.88
WATCHMAN (II) (any industry)	2-61.04

II Occupations requiring brief additional training in methods of investigation of claims or actions taken, or investigation of employees of business establishments to determine their integrity; or in the detection and prevention of crime; or in the supervision of patrolmen; or in technique of resuscitation:

BAILIFF (governmental services)	2-67.20
DETECTIVE (III) (governmental services)	2-66.12
HOUSE OFFICER (hotel & restaurant)	2-65.01
INVESTIGATION SHOPPER (business services)	2-65.01
INVESTIGATOR (any industry)	1-57.50
LIFEGUARD (amusement & recreation)	2-61.11
TRAFFIC SERGEANT (governmental services)	2-66.01

III Occupations requiring considerable additional training in the study of firearms; or in techniques employed in inspecting food, merchandise, premises, etc.; or in methods of eliminating traffic congestion and preventing accidents; or in handling routine legal matters:

BALLISTIC EXPERT (governmental services)	0-66.31
CUSTOMS INSPECTOR (governmental services)	0-95.01
FOOD AND DRUG INSPECTOR (governmental services)	0-95.11
IMMIGRATION INSPECTOR (governmental services)	0-95.91
LAW CLERK (professional & kindred)	0-68.48
POLICE CHIEF (II) (governmental services)	2-66.06
TRAFFIC ENGINEER (governmental services)	0-39.94

RELATED FIELDS OF WORK

Property and Equipment Watching	6-X2.290
Protective Service Work	0-X6.25

## PUSH CYCLE REPAIRER (ARMY TRADE GROUP C)

Repairs, services and paints Army bicycles: aligns wheels by tightening or loosening spokes; repairs and adjusts brakes; fits and adjusts handle bars, stands, lights, seats, and other equipment or accessories, using mechanic's tools; repairs tires and tubes; welds broken frame parts; paints and enamels bicycle frames. May assist Armourers in their work.

Must be able to use simple machine tools.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BICYCLE REPAIRMAN (any industry).....	5-83.881
BRAZER (any industry).....	4-85.310
PAINTER, AUTOMOBILE (automotive services).....	5-16.910
PIPE-THREADING-MACHINE OPERATOR (any industry).....	6-95.053
SINGLE-SPINDLE-DRILL-PRESS OPERATOR (machine shop).....	6-78.083
SOLDERER (I) (any industry).....	6-95.001
TIRE REPAIRMAN (II) (automotive services).....	7-89.425
WELDER, SPOT (any industry).....	6-85.060

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#### II Occupations requiring brief additional training in methods of repairing or servicing simple machines and equipment; or in the operation of machine tools:

BRAKEMAN, AIR (II) (railroad locomotive & car building & repairing)	5-79.010
LAWN-MOWER REPAIRMAN (any industry).....	7-83.987
MACHINE FIXER (III) (textile).....	5-83.324
MAINTENANCE MECHANIC (II) (any industry).....	5-83.641
METER REPAIRMAN (petroleum & natural gas production).....	5-83.465
PAINT REPAIRMAN (automobile manufacturing).....	7-16.540
THREAD GRINDER (machine tools & accessories).....	6-78.516
WASHING-MACHINE SERVICEMAN (any industry).....	7-83.011

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#### III Occupations requiring considerable additional training in techniques of assembling and repairing relatively small mechanical units; or in servicing gasoline motors:

CASE ASSEMBLER (I) (agricultural equipment).....	4-94.351
INSTRUMENT REPAIRMAN (petroleum refining).....	5-83.971
KNITTER MECHANIC (knit goods).....	5-83.321
LOCKSMITH (I) (any industry).....	5-83.551
MOTORBOAT MECHANIC (any industry).....	5-83.643
OFFICE-MACHINE SERVICEMAN (any industry).....	5-83.111
TRACTOR MECHANIC (any industry).....	5-81.040
WATCHMAKER (any industry).....	4-71.510

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### RELATED FIELDS OF WORK

Mechanical Repairing and Related.....	4-X2.10
Mechanical or Metal Unit Assembling and Related (Including Instrument Repair).....	4-X6.310

# QUARRYMAN (ARMY TRADE GROUPS C and B)

Drives rock cuts for roads or railways, and produces stone or crushed rock from stone quarry: drills holes in rock with pneumatic or hand drill; loads drill holes with requisite amount of explosive; inserts detonators and attaches fuse or electric wire; explodes charge to break or split mass of rock; breaks, crushes and screens rock, using machinery such as crushers, screens, and elevators. May drive tunnels through rock.

Must have knowledge of rock formation. Must have thorough knowledge of handling of explosives, and normal safety precautions used in quarry work.

## RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

### I Occupations not requiring additional training:

BLASTER (bituminous coal mining; metal mining; nonmetal mining; quarrying & sand & gravel).....	5-74.020
CRUSHER MAN (quarrying & sand & gravel).....	7-22.330
CRUSHER MAN (salt production).....	6-52.314
DRILLER, MACHINE (I) (bituminous coal mining).....	7-75.010
DRILLER, MACHINE (quarrying & sand & gravel).....	7-75.020
GRINDER (brick, tile, & nonclay refractories).....	6-66.021
JACKHAMMER OPERATOR (metal mining; nonmetal mining; quarrying & sand & gravel).....	7-75.710
QUARRYMAN (III) (quarrying & sand & gravel).....	5-21.040
STONE GRADER (quarrying & sand & gravel).....	7-76.120

### II Occupations requiring brief on-the-job training in specific job duties:

BLASTER (construction).....	5-74.010
GRINDER OPERATOR (chemical).....	6-52.751
MINER (I) (bituminous coal mining).....	5-21.010
MINER (V); <i>Miner, Hard Rock</i> (metal mining).....	5-21.020
ROCK-CRUSHER FOREMAN (quarrying & sand & gravel).....	5-93.510
ROCK SPLITTER (marble, granite, slate, & other stoneworking).....	4-69.320
SCREENMAN, CHIPS (paper & pulp).....	6-41.121
STONECUTTER, MACHINE (marble, granite, slate, & other stoneworking).....	6-69.110

### III Occupations requiring considerable additional training in the techniques and use of tools for fine work in stone; or in the operation of diamond drilling equipment or pneumatic riveters:

DIAMOND DRILLER (bituminous coal mining; construction; metal mining).....	5-75.410
RIVETER, PNEUMATIC (construction; ship & boat building & repairing).....	4-84.060
SLATE SPLITTER (marble, granite, slate, & other stoneworking).....	4-69.330
STONE CARVER (construction; marble, granite, slate, & other stoneworking).....	4-68.100
STONE GRADER (marble, granite, slate, & other stoneworking).....	4-69.510
STONECUTTER, HAND (marble, granite, slate, & other stoneworking)...	4-68.200
TABLEMAN (marble, granite, slate, & other stoneworking).....	4-69.340

## RELATED FIELDS OF WORK

Miscellaneous Stone Machine Tending.....	6-X2.439
Rough Drilling (Jackhammer).....	6-X4.294
Stone Cutting, Carving.....	4-X6.337



## RADIOGRAPHER (ARMY TRADE GROUPS C, B, and A)

Produces all types of radiographs for use in the diagnosis and treatment of injuries and diseases; prepares patient for X-ray treatment; adjusts protective plates; determines voltage and amperage; manipulates switches to time length and regulates intensity of exposure; develops films; makes minor repairs to X-ray machine and equipment. Radiographer (Group A) is capable of supervising an X-ray department.

Must have knowledge of X-ray physics, electricity, anatomy and first-aid. Must know manifestations of electrical and mechanical troubles in X-ray equipment.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

CHEMICAL MIXER (any industry).....	7-86.516
DARKROOM MAN (any industry).....	5-86.510
DEVELOPER (any industry).....	5-86.512
X-RAY TECHNICIAN (medical services).....	0-50.04

#### II Occupations requiring brief additional training to learn techniques of mixing chemical and non-chemical ingredients to prepare a variety of products:

ACID-CORRECTION MAN (rayon & allied products).....	4-51.010
BLEACHER (knit goods).....	6-19.245
CHEMICAL MIXER (hosiery; knit goods; textile).....	6-19.242
CHEMIST, ASSISTANT (professional & kindred).....	0-50.22
CHROME-TANNING-LIQUOR MIXER (leather manufacturing).....	4-59.412
CORRECTION MAN (II) (rayon & allied products).....	4-51.020
DYER (leather manufacturing).....	5-18.510

#### III Occupations requiring considerable additional training in specific type of therapy, and use of appropriate apparatus, also in commercial photography:

ELECTROLOGIST (personal service).....	2-32.23
ELECTROTHERAPIST (personal service).....	0-52.81
HYDROTHERAPIST (personal service).....	0-52.82
MECHANOTHERAPIST (medical services).....	0-52.21
OXYGEN-THERAPY-EQUIPMENT TECHNICIAN (medical services).....	0-50.03
PHOTOSTAT OPERATOR (any industry).....	5-86.310
RECORDAK OPERATOR (clerical & kindred).....	1-25.92

### RELATED FIELDS OF WORK

Nursing and Medical Work.....	0-X7.02
Technical Control Work.....	0-X7.49

## REMEDIAL PHYSICAL TRAINING INSTRUCTOR (NON-TRADE SPECIALIST)

Under supervision of Medical Officer, gives expert remedial physical training; instructs patients and convalescents to perform exercises especially designed to aid in the re-education and restoration of certain physiological functions and to strengthen and restore to use injured and weakened muscles; devises special equipment and gymnastic apparatus for correction of special conditions; works under the supervision of Medical Officers in casualty conditioning centres, convalescent wings of hospital, etc.

Must be an expert in remedial physical training. Must have personal qualities of leadership, enthusiasm, and ability to promote high morale in patients. Must have sufficient technical knowledge to discuss case progress and special features in professional terms and must be able to carry out the Medical Officer's technical instruction in an expert manner.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training:

ATHLETIC TRAINER (professional & kindred).....	0-57.31
ELECTRIC-BATH ATTENDANT (personal service).....	2-43.22
HELIOTHERAPIST (medical services).....	0-52.21
HOT-ROOM ATTENDANT (personal service).....	2-43.23
INSTRUCTOR, PHYSICAL (education & instruction).....	0-57.41
MASSEUR (personal service).....	0-52.41
MEDICAL GYMNAST (medical services).....	0-52.21
TURKISH RUBBER (personal service).....	2-43.22

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#### II Occupations requiring brief additional training in organizing and directing recreational activities at camps or playgrounds; or in certain phases of social welfare work:

COUNSELOR, CAMP (professional & kindred).....	0-27.15
DIRECTOR, ATHLETIC (II) (education & instruction).....	0-57.52
DIRECTOR, CAMP (professional & kindred).....	0-27.08
DIRECTOR, PLAYGROUND (professional & kindred).....	0-27.06
DIRECTOR, WELFARE (professional & kindred).....	0-27.11
NEIGHBORHOOD ORGANIZER (professional & kindred).....	0-27.02
PLAYGROUND WORKER (professional & kindred).....	0-27.40
RECREATION EXECUTIVE (governmental services).....	0-27.07
RECREATION-FACILITY ATTENDANT (amusement & recreation)....	2-40.51

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#### III Occupations requiring considerable additional training in nursing, medical technology, or operation of specific type of apparatus to give therapeutic treatments:

CHIROPRACTOR (medical services).....	0-42.10
ELECTROTHERAPIST (personal service).....	0-52.81
HYDROTHERAPIST (personal service).....	0-52.82
MECHANOTHERAPIST (medical services).....	0-52.21
MEDICAL TECHNICIAN (medical services).....	0-50.01
NURSE (III) (medical services).....	0-33.10
OSTEOPATH (medical services).....	0-39.96
OXYGEN-THERAPY-EQUIPMENT TECHNICIAN (medical services)...	0-50.03
PHYSICIAN'S ASSISTANT (medical services).....	1-32.20

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### RELATED FIELDS OF WORK

Nursing and Medical Work.....	0-X7.02
Physical Education and Related.....	0-X6.06

## RIGGER (ARMY TRADE GROUPS C and B)

Rigs, erects, and uses ordinary derricks and sheer legs to handle heavy articles, and simple travellers to carry given weights over bridge gaps; sets up, braces, and rigs hoisting equipment; splices hemp or wire ropes; reeves and runs rope and guy wire; improvises equipment for slinging and handling heavy baulks, girders, etc. Keeps ropes and cordage in good condition, splicing and oiling, as required.

Must know strength of all types of hemp and wire ropes, crane chains and spars; and have sound knowledge of stresses and strains in various parts of any tackle. Must be able to tie all knots used in the service.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

CABLE SPLICER (any industry).....	7-89.051
ELEVATOR-INSTALLER HELPER (construction).....	7-83.351
RIGGER (X) (any industry).....	5-88.040
RIGGER (cement; construction).....	5-88.020
RIGGING-LOFT REPAIRMAN (ship & boat building & repairing).....	7-83.910
SHIP-RIGGER APPRENTICE (ship & boat building & repairing).....	7-97.780

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#### II Occupations requiring brief additional training concerning specific types of rigging used in airplane manufacturing and construction work; or in techniques used to move and place other kinds of materials:

CABLE SQUEEZER, FIRST CLASS (construction).....	5-32.411
CONTROL-CABLE INSPECTOR (aircraft manufacturing).....	7-89.055
DERRICK-BOAT OPERATOR (any industry).....	5-73.750
ELECTRIC-BRIDGE-CRANE OPERATOR (any industry).....	5-73.010
RIGGER (IX) (aircraft manufacturing).....	5-03.572
RIGGER (logging).....	4-30.320
RIGGER, UNDERGROUND CABLE (light, heat, & power).....	5-53.372
SKIP OPERATOR (iron & steel).....	5-73.550
WIRE SPINNER, FIRST CLASS (construction).....	5-32.412
WIREWOKER (aircraft manufacturing).....	7-89.056

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#### III Occupations requiring considerable additional training in techniques of complex rigging; or in specifications and methods of inspecting cable assemblies; or in operation of specific types of powered hoisting equipment:

CABLE TESTER (telephone & telegraph).....	5-53.340
ELEVATOR INSTALLER, ELECTRIC ELEVATOR (construction).....	5-83.351
HOISTING ENGINEER (any industry).....	5-73.520
OVERHEAD OPERATOR (motion picture).....	4-97.140
RIGGING FOREMAN (construction).....	5-94.160
RIGGING-UP ENGINEER (logging).....	5-73.330
SHIP RIGGER (ship & boat building & repairing).....	5-05.570

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### RELATED FIELDS OF WORK

Hoisting Machine Operating.....	4-X2.493
Logging and Related Forest Products Work.....	3-X9.96
Structural Work, Assorted Materials.....	4-X6.20



## RIVETER (ARMY TRADE GROUPS C and B)

Fastens together metal parts by means of rivets; fits and sets parts to be riveted; drills and reams out holes for bolting and riveting; inserts heated rivet in hole; drives rivet and forms head on projecting shank with air hammer, while Bucker-Up holds rivet securely in place; removes loose rivets by cutting off rivet heads with chisel and forcing out shank with backing-up punch; makes butt and lap joints; heat treats, adjusts and maintains standard riveter's tools.

Must have working knowledge of the properties of various metals and understand the effects of heat treatment on brass, iron and steel. Must have some knowledge of arithmetic and be able to read blueprints and sketches.

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### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

#### I Occupations not requiring additional training:

RIVET CATCHER (construction).....	6-84.420
RIVET HEATER (construction).....	6-84.430
RIVETER, HAND (construction).....	6-84.440
RIVETER, PNEUMATIC (I) (agricultural equipment; boilermaking; railroad locomotive & car building & repairing).....	6-84.640
RIVETER, PNEUMATIC (II) (construction; ship & boat building & repairing).....	4-84.060
STEEL-PLATE CALKER (boilermaking; construction; ship & boat building & repairing).....	6-84.910

#### II Occupations requiring brief additional training in methods of fastening together metal parts other than by riveting; or in operating riveting machines:

BEDSPRING RIVETER (mattress & bedspring).....	6-36.613
FIT-UP MAN (boilermaking).....	4-83.300
HOOP-RIVETING-MACHINE OPERATOR (cooperage).....	6-38.340
RIVET HEATER, ELECTRIC (railroad locomotive & car building & repairing).....	6-84.650
RIVET TESTER (ship & boat building & repairing).....	6-84.450
RIVETER, AIRCRAFT (aircraft manufacturing).....	6-95.080
RIVETER, HAND (furniture).....	6-36.840
RIVETER, HYDRAULIC (boilermaking; railroad locomotive & car building & repairing).....	6-84.620
RIVETING-MACHINE OPERATOR (furniture).....	6-36.850
WELDER, ACETYLENE (any industry).....	4-85.030

#### III Occupations requiring considerable additional training in hoisting into position and bolting structural steel parts:

BOILERMAKER (boilermaking).....	4-83.100
BRIDGE-MAINTENANCE MAN (construction).....	5-83.631
CONNECTOR (construction).....	4-84.040
LAY-OUT MAN (boilermaking).....	4-83.200
METAL-TANK WORKER; <i>Tank Builder</i> (construction).....	4-84.030
ORNAMENTAL-IRON WORKER (construction).....	4-84.020
SKIN MAN (air transportation; aircraft manufacturing).....	5-03.552
STEEL ERECTOR (ship & boat building & repairing).....	6-84.115
STRUCTURAL-STEEL WORKER (construction).....	4-84.010

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### RELATED FIELDS OF WORK

Heavy Metal Structural Work.....	4-X.6.211
Riveting and Related.....	6-X.4.284

## SADDLE TREE MAKER (ARMY TRADE GROUPS C and B)

Fits, assembles and builds up saddle trees from components and fittings: fits and assembles universal saddle tree, using hammer, screwdriver, saws, files, reamers and shapers; makes saddle bars from rough hewn timber; assembles saddle tree arches and tailed joints.

Must have knowledge of elementary carpentry and of the characteristics of various kinds of lumber. Must have a good general knowledge of construction and parts of service saddles. Must be able to make simple mortise and tenon joints, dovetail joints and other elementary carpentry work.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

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#### I Occupations requiring brief on-the-job training:

BOX MAKER (morticians' goods).....	6-39.322
BOX MAKER, WOOD (any industry).....	6-39.114
CARPENTER APPRENTICE (construction; railroad locomotive & car building & repairing).....	7-93.100
CARPENTER, FLASK (foundry).....	6-82.610
FRAME MAKER (planing mill).....	6-34.070
MOLDING FITTER (morticians' goods).....	6-39.325
PANEL MAKER (morticians' goods).....	6-39.326
TIMBER FRAMER (wood preserving).....	4-39.422

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#### II Occupations requiring brief additional training in methods of erecting rough wooden structures; or in maintenance carpentry:

CARPENTER, FRAME (construction).....	5-25.110
CARPENTER, ROUGH (construction).....	5-25.230
CARPENTER, MAINTENANCE (any industry).....	5-25.830
CARPENTER, SHIP'S (water transportation).....	5-25.670
CARPENTER, STAGE (I) (amusement & recreation).....	5-25.360
CHUTE BUILDER (logging).....	6-30.320
FORM BUILDER (construction).....	5-25.240

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#### III Occupations requiring considerable additional training to learn technique of finished carpentry; or in methods of laying floors:

BOWLING-ALLEY MECHANIC (construction).....	5-25.155
CABINETMAKER (woodworking).....	4-32.100
CARPENTER, BENCH (woodworking).....	5-25.010
CARPENTER (construction).....	5-25.110
CARPENTER, FINISH (construction).....	5-25.150
CARPENTER, SHIP (ship & boat building & repairing).....	5-25.640
CARPENTER, SHOP (motion picture).....	5-25.340
HARDWOOD-FLOOR LAYER (construction).....	5-25.160

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### RELATED FIELDS OF WORK

All-Around Cabinet, Pattern, or Model Making (Wood).....	4-X6.320
Miscellaneous Wood Structural Work.....	6-X4.229
Wood Structural Work (Carpentry).....	4-X6.220

## SADDLER (ARMY TRADE GROUPS C and B)

Repairs all types of leather equipment and makes small leather articles: repairs saddles; makes bookbinders, bags for machine gun spare parts, bill-hook cases and all types of leather straps, using saddler's standard tools and machines; makes pattern of leather article to be made; cuts leather, marks with pricking wheel, and dyes and creases edges; places material in clamps and sews pieces together by machine; makes wax ends. The Saddler (Group B) supervises workshop and keeps accounts of work and materials.

Must be able to judge the suitability of leather for any kind of work.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

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#### I Occupations not requiring additional training:

BELTMAN (any industry).....	7-83.611
CASE MAKER (leather products).....	6-62.020
CUTTER, HAND (leather manufacturing).....	6-59.035
CUTTER, MACHINE (leather manufacturing).....	4-59.033
HARNESS MAKER (leather products).....	6-62.070
PAD HAND (leather products).....	4-62.040
LEATHER WORKER (firearms & guns).....	6-62.160
SADDLE MAKER (leather products).....	4-62.060

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#### II Occupations requiring brief additional training to learn to fit or repair shoes; or to make or repair luggage:

CUTTER, HAND (automobile manufacturing; felt goods; garment; hat & cap; leather products).....	4-62.020
CUTTER, HAND (leather manufacturing).....	4-59.032
LEATHER WORKER (automobile manufacturing).....	6-62.150
LUGGAGE MAKER (leather products).....	4-62.030
LUGGAGE REPAIRMAN (any industry).....	4-62.110
SHOE FITTER, CUSTOM-MADE (boot & shoe).....	4-61.226
SHOE REPAIRMAN, HAND (personal service).....	4-60.200

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#### III Occupations requiring additional training to learn methods of canvas working, of upholstering and mattress making, or of airplane fabric or parachute work:

AIRPLANE COVERER (aircraft manufacturing).....	5-30.010
AUTOMOBILE UPHOLSTERER (automotive services).....	4-35.610
AWNING MAKER (canvas goods, flags & banners).....	6-27.811
CANVAS WORKER (canvas goods, flags & banners; ship & boat building & repairing).....	4-27.811
MATTRESS MAKER (mattress & bedspring).....	4-36.414
PARACHUTE REPAIRMAN (air transportation; aircraft manufacturing).....	6-27.950
SAIL FINISHER (canvas goods, flags & banners).....	4-27.812
UPHOLSTERER (furniture; retail trade; ship & boat building & repairing).....	4-35.720

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### RELATED FIELDS OF WORK

Bench Work, Fabric, Leather and Related.....	6-X4.35
Fabric or Leather Working Machine Operating.....	6-X4.45
Leather Working.....	4-X6.355



# SANITARY ASSISTANT (ARMY TRADE GROUPS C and B)

Makes sanitary inspection and compiles report on existing conditions: inspects cookhouses, kitchens, messes and canteens for observance of sanitary regulations regarding storage and preservation of food, disposal of waste, washing and disinfecting of utensils, and general cleanliness; inspects living accommodations for spacing, ventilation, lighting, heating, cleanliness, disinfection and disinfection; inspects field sanitary appliances such as fly traps, baths, latrines, grease pits, soakage pits, field incinerators, etc.; disinfests equipment, clothing and blankets by heat and chemical means; assists in rodent and vermin control and in the quarantine of communicable diseases; inspects and advises on the supply and pasteurization of milk; inspects and advises on water requirements and their source and protection.

Must be able to construct all types of sanitary appliances. Must have completed a course for Sanitary Assistants at the Army School of Hygiene or at an approved school.

## RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

### I Occupations requiring brief training to use unfamiliar sterilizing equipment:

CAN WASHER, MACHINE (dairy products; ice cream).....	6-06.750
DISINFECTING MAN (leather manufacturing).....	7-89.111
INSECTICIDE SPRAYER (cleaning, dyeing, & pressing).....	7-57.992
PASTEURIZER HELPER (dairy products; ice cream).....	6-06.570
RETORT OPERATOR (canning & preserving).....	6-04.450
STERILIZER (canning & preserving).....	6-04.720
STERILIZER (druggists' & toilet preparations & medicines).....	6-53.014
TEMPERATURE MAN (dairy products).....	6-06.730

### II Occupations requiring additional training in methods of fumigating and other types of insect control; or in water filtering:

BINDWEED ERADICATOR (agricultural & horticultural service).....	3-31.10
FUMIGATOR, ORCHARD (agriculture).....	3-40.11
MOTH PROOFER, RUG (cleaning, dyeing, & pressing).....	7-57.812
SCOUT (I) (agricultural & horticultural service).....	3-31.30
TERMITE TREATER (business services).....	5-59.950
TREE SPRAYER (agriculture).....	3-40.12
VERMIN EXTERMINATOR (business services).....	7-89.121
WATER FILTERER (any industry).....	7-54.621

### III Occupations requiring considerable additional training in hide and fish inspecting; or in laboratory technique; or in supervising sanitary projects:

FISH INSPECTOR (canning & preserving).....	6-04.030
HIDE INSPECTOR (leather manufacturing).....	6-59.437
LABORATORY TESTER (dairy products; ice cream).....	0-50.46
SANITARY INSPECTOR (governmental services).....	0-95.16
SANITARY TECHNICIAN (professional & kindred).....	0-66.41

## RELATED FIELDS OF WORK

Protective Service Work.....	0-X6.25
Simple Visual Inspecting.....	6-X2.381

## SANITARY INSPECTOR (ARMY TRADE GROUP A)

Inspects, instructs, advises and reports on all matters pertaining to hygiene and sanitation: assists in selection and layout of camp sites; surveys sources of water supply; supervises chlorination and testing of water; interprets results of chemical and bacteriological tests; supervises the supply and testing of milk and interprets results of tests; inspects milk pasteurization plants; inspects food for decomposition or adulteration; supervises fumigation, disinfection and disinfestation under all conditions; inspects and advises on sewerage and sewage treatment and disposal; supervises the collection, recording and analyses of data and the preparation of consolidated reports.

Must have qualified as Sanitary Assistant (Group B) and possess a Certificate of Sanitary Inspection or have satisfactorily filled an equivalent position in civilian life. Must have a thorough knowledge of public health regulations governing civilian restaurants and other eating places. Must have a thorough knowledge of occupational diseases and hazards and their control.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

SAFETY INSPECTOR (governmental services).....	0-95.93
SANITARY INSPECTOR; <i>Public Health Inspector</i> (governmental services)	0-95.16

#### II Occupations requiring brief additional training in methods of testing or inspecting foodstuffs, grain or animal hides:

CATTLE INSPECTOR (governmental services).....	0-95.94
DAIRY TESTER (agricultural & horticultural service).....	0-50.45
FISH INSPECTOR (II) (governmental services).....	0-95.12
FOOD AND DRUG INSPECTOR; <i>Fruit and Vegetable Inspector</i> (governmental services).....	0-95.11
GRAIN INSPECTOR (governmental services).....	0-95.13
LABORATORY TESTER; <i>Milk Tester</i> (dairy products; ice cream).....	0-50.46

#### III Occupations requiring considerable additional training in methods of inspection of premises for observance of sanitary or safety regulations:

COAL-MINE INSPECTOR (bituminous coal mining).....	0-79.11
HEALTH OFFICER, FIELD (governmental services).....	0-95.96
METAL-MINE INSPECTOR (metal mining).....	0-79.12
SANITARY TECHNICIAN (professional & kindred).....	0-66.41

### RELATED FIELDS OF WORK

Protective Service Work.....	0-X6.25
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## SAW DOCTOR (ARMY TRADE GROUPS C, B, and A)

Sharpens, repairs and conditions saws: shears out section of the blade to remove broken teeth; splices blade by beveling ends to be united and welds or brazes them together; removes dents, twists and kinks by hitting saw blade with a light hammer, adjusts saw teeth with hammer and swage or by springing alternate teeth with special pliers; sharpens teeth on saw sharpening machine; dresses teeth with hand tools; tensions band saws; operates circular saw filing machines.

Must know brazing, retoothing, sharpening, and spring setting of saws.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

BAND-SAW-STRAIGHTENER OPERATOR (any industry).....	7-84.250
SAW FILER, HAND (any industry).....	7-84.230
SAW FILER, MACHINE (any industry).....	7-84.240
SAW SETTER (any industry).....	7-84.225
SAW STRAIGHTENER, HAND (cutlery & tools).....	7-84.260
SOLDERER (any industry).....	6-95.001

#### II Occupations requiring brief on-the-job training in repairing tools other than saws:

BIT GRINDER (metal mining).....	7-84.140
BIT SHARPENER (woodworking).....	7-84.120
GRINDING-WHEEL DRESSER; <i>Abrasive Wheel Truer</i> (any industry)....	7-84.910
KNIFE FILER (sugar).....	7-84.330
KNIFE GRINDER (woodworking).....	5-84.130
TOOL FILER (pottery & porcelain ware).....	7-84.320
TOOL GRINDER (II) (any industry).....	7-84.110

#### III Occupations requiring additional training in methods of operating machines for sawing brick, metal, stone or wood:

BAND-RIPSAW OPERATOR (woodworking).....	6-33.211
BAND-SCROLL-SAW OPERATOR (woodworking).....	6-33.212
CIRCLE-SHEAR OPERATOR (boilermaking).....	6-88.661
CIRCULAR-SAWING-MACHINE OPERATOR (machine shop).....	6-78.612
COLD-SAW OPERATOR (iron & steel).....	6-88.651
CUT-WORK MAN (brick, tile, & nonclay refractories).....	6-66.151
DRAGSAW OPERATOR (sawmill).....	6-31.010
RIPSAWYER, STONE (marble, granite, slate, & other stoneworking)....	6-69.030
VARIETY-SAW OPERATOR (woodworking).....	6-33.224

### RELATED FIELDS OF WORK

Metal Bench Grinding (Including Filing and Polishing).....	6-X4.315
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**SAW FILER, BUSH (FORESTRY) (ARMY TRADE GROUP C)**

Maintains cross-cut and web saws in good condition: gullets, sharpens and sets cross-cut and web saws, using hand tools; brazes and reshapes web saws on brazing machine and anvil.

Must know steel and hand filing methods. Must know uses of cross-cut and web saws in woods operation of a forestry company.

**RELATED CIVILIAN EMPLOYMENT**

**Dictionary of  
Occupational  
Titles - Codes**

**I Occupations not requiring additional training:**

SAW FILER, HAND (any industry).....	7-84.230
SAW STRAIGHTENER, HAND (cutlery & tools).....	7-84.260
STONE SHARPENER (paper & pulp).....	7-84.930
TOOL FILER (pottery & porcelain ware).....	7-84.320
WOOD-SAW FILER (any industry).....	7-84.230

**II Occupations requiring brief training in methods of sharpening and straightening saws used for cutting metal, stone or brick; or in techniques of operating various machines for grinding and sharpening tools and instruments:**

BIT GRINDER (metal mining).....	7-84.140
BIT SHARPENER (woodworking).....	7-84.120
BIT SHARPENER OPERATOR (bituminous coal mining).....	7-84.130
KNIFE GRINDER (woodworking).....	5-84.130
SAW FILER, MACHINE (any industry).....	7-84.240
SAW SETTER (any industry).....	7-84.225
TOOL GRINDER (II) (any industry).....	7-84.110

**III Occupations requiring additional training to learn methods of buffing and polishing stone, leather or metal by hand or on small polishing wheels:**

BUFFER (any industry).....	6-77.020
BUFFER (boot & shoe).....	6-61.828
BUFFER, HAND (leather manufacturing).....	6-59.363
GOLD-NIB GRINDER (pen, pencil, & artists' materials manufacturing)...	7-13.121
JEWEL-BEARING POLISHER (jewelry).....	6-72.815
STONE POLISHER (construction).....	7-32.577
STONE POLISHER, HAND (marble, granite, slate, & other stoneworking)	6-69.360

**RELATED FIELDS OF WORK**

Metal Bench Grinding (Including Filing and Polishing).....	6-X4.315
Metal Grinding or Polishing Machine Operating (Hand Manipulated)....	6-X4.415

## SAWYER (ARMY TRADE GROUPS C and B)

Operates and maintains band, chain, circular, and ribbon saws: saws all types of wood; files and sets saws; laces belts; cleans and lubricates saws; selects type and size of wood to be sawn.

Must have knowledge of types and grains of lumber. Must be familiar with safety precautions to be observed in the use of saws.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BAND-SAW FILER (any industry).....	7-84.240
CIRCULAR-RIPSAW OPERATOR (woodworking).....	6-33.211
CORDWOOD CUTTER (any industry).....	6-31.220
DRAGSAW OPERATOR (sawmill).....	6-31.010
KNOT SAWYER (planing mill).....	6-33.217
SAW FILER, HAND (any industry).....	7-84.230
TRIM SAWYER (furniture).....	6-33.222
TRIMMER MAN (sawmill).....	6-31.440

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#### II Occupations requiring brief additional training to learn to set up and operate woodworking machines:

BAND-SCROLL-SAW OPERATOR (woodworking).....	6-33.212
BEVEL-SAW OPERATOR (cigar box).....	6-39.211
BOTTOM-SAW OPERATOR (cooperage).....	6-38.910
CLAPBOARD SAWYER (sawmill).....	6-31.230
DADO OPERATOR (woodworking).....	6-33.313
SHINGLE-SAW OPERATOR (basket & rattan & willowware).....	6-31.120
STAVE-LOG-RIPSAW OPERATOR (cooperage; sawmill).....	6-31.170
TAIL SAWYER (paper & pulp).....	6-31.240
VENEER SAWYER (veneer & plywood).....	6-31.210

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#### III Occupations requiring considerable additional training in operating complex woodworking machines:

BAND-HEAD-SAW OPERATOR (sawmill).....	4-31.110
CIRCULAR-HEAD-SAW OPERATOR (sawmill).....	4-31.120
DOUBLE-SURFACER OPERATOR (woodworking).....	4-33.461
ROUTER OPERATOR (furniture; planing mill).....	4-33.411
SPINDLE CARVER (furniture; planing mill).....	4-33.362
STRATO-PLANER OPERATOR (radio manufacturing).....	4-33.461
UNIVERSAL-WOODWORKING-MACHINE OPERATOR; <i>Woodworking</i> <i>Machine Operator</i> (woodworking).....	4-33.311
WOOD TURNER; <i>Wood Lathe Operator</i> (woodworking).....	4-33.363

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### RELATED FIELDS OF WORK

Metal Bench Grinding (Including Filing and Polishing).....	6-X4.315
Miscellaneous Wood Machining.....	4-X2.029
Miscellaneous Woodworking Machine Operating.....	6-X4.429

SAWYER (FORESTRY) (ARMY TRADE GROUPS C, B, and A)

Operates main saw and log carriage in a portable or semi-portable sawmill: identifies species and grades of lumber; inserts shanks or bits and sets up saw on mandrel; aligns carriage and saw; adjusts and sets lead of saw for various species of wood; cuts lumber to given specification with minimum waste; files circular saws.

The Sawyer (Forestry) (Group C) must be able to saw 150 to 200 F. B. M. on Scotch saw or circular resaw. The Sawyer (Forestry) (Group B) must be able to saw 1500-2000 F. B. M. on circular head saw or band resaw. The Sawyer (Forestry) (Group A) supervises the operation and maintenance of sawmill.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
I Occupations not requiring additional training:		
BAND-HEADSAW OPERATOR (sawmill)		4-31.110
BAND-RIPSAW OPERATOR (woodworking)		6-33.211
CIRCULAR-HEADSAW OPERATOR (sawmill)		4-31.120
CUT-OFF-SAW OPERATOR, TREADLE OPERATED (woodworking)		6-33.214
GANG-RIPSAW OPERATOR (wooden box)		6-33.216
JIGSAW OPERATOR (woodworking)		6-33.212
SCRAP SAWYER (planing mill)		6-33.221
II Occupations requiring brief training to learn the methods of operating saws to cut stone or metal:		
CIRCULAR-SAWING-MACHINE OPERATOR (machine shop)		6-78.612
CIRCULAR SAWYER; <i>Stone Sawyer; Diamond Sawyer</i> (marble, granite, slate, & other stoneworking)		6-69.010
GANG SAWYER (marble, granite, slate, & other stoneworking)		6-69.020
HOT-SAW MAN (iron & steel)		6-88.652
RIPSAWYER, STONE (marble, granite, slate, & other stoneworking)		6-69.030
ROTARY-SHEAR OPERATOR; <i>Scroll-Shear Operator</i> (sheet metal work)		6-94.204
SAW OPERATOR (brick, tile, & nonclay refractories)		6-61.121
WIRE SAWYER (marble, granite, slate, & other stoneworking)		6-69.040
III Occupations requiring considerable additional training to learn tech- niques of operating complex woodworking machines used for turning, shaping and finishing:		
AIRPLANE WOODWORKER (aircraft manufacturing)		4-33.916
LAY-OUT MAN; <i>Pattern Marker</i> (woodworking)		4-33.912
MILLMAN (woodworking)		4-33.914
PUNCHER (planing mill)		4-34.020
SPINDLE CARVER (furniture; planing mill)		4-33.362
UNIVERSAL-WOODWORKING-MACHINE OPERATOR (woodwork- ing)		4-33.311
WOOD TURNER (woodworking)		4-33.363

RELATED FIELDS OF WORK

Miscellaneous Wood Machining	4-X2.029
Miscellaneous Woodworking Machine Operating	6-X4.429



# SENIOR PROJECTIONIST (ARMY TRADE GROUPS C and B)

Operates and makes minor repairs and adjustments to motion picture projection and sound reproducing equipment, and trains Army projectionists: operates complete portable 16 mm. sound film projectors, 16 mm. silent film projectors, slide projectors, strip film projectors and opaque projectors; adjusts, cleans and aligns picture projector optical system; selects appropriate lens for best results; cleans and splices films; finds and eliminates minor faults in 16 mm. picture projection equipment, amplifiers, and multiple loud-speaker circuits; does routine servicing of motors, convertors and transformers; supervises staging of shows to best advantage by correcting acoustical arrangements of buildings, making aural tests with sound tracks of varying frequency, and choosing appropriate type of screen.

Must have knowledge of electricity, including the application of Ohm's Law to D.C. circuits, the principles of operation of photocells, microphones, multiple loud-speaker circuits, turntables, and voltage regulators. Must have knowledge of optical and acoustical theory as applied to picture projection equipment. Must know repair procedure as followed in the field under 2nd echelon repair. Must have had at least two years civilian experience (preferably as Government Graded Projectionist) or equivalent Army experience with 16 mm. sound film equipment and have had in addition a two months training course.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>		
FILM INSPECTOR (motion picture).....		7-86.040
FILM SPLICER (motion picture).....		7-86.060
LABORATORY INSPECTOR (motion picture).....		7-86.080
MOTION-PICTURE PROJECTIONIST (amusement & recreation).....		5-55.010
PROJECTOR ASSEMBLER (photographic apparatus & materials).....		7-09.327
STEREOPTICIAN (amusement & recreation).....		7-55.010
WAXER (motion picture).....		7-86.120
<b>II Occupations requiring brief training in industrial techniques of assembling, inspecting, and repairing mechanical equipment similar to projectors:</b>		
CAMERA ASSEMBLER (photographic apparatus & materials).....		7-09.328
CAMERA INSPECTOR (photographic apparatus & materials).....		7-09.330
LOUDSPEAKER TEST-MAN (radio manufacturing).....		6-98.130
MOTION-PICTURE CAMERA AND EQUIPMENT INSPECTOR (photographic apparatus & materials).....		7-09.301
PHOTOPHONE ASSEMBLER (radio manufacturing).....		6-98.170
PICK-UP ASSEMBLER (phonograph).....		6-98.740
TECHNICAL-MAINTENANCE MAN (any industry).....		5-83.905
<b>III Occupations requiring additional training in a variety of jobs connected with the production of motion pictures, including the operation of machines for photographing, developing, recording, or regulating sounds:</b>		
CAMERAMAN (motion picture).....		0-56.41
EDITOR, FILM (motion picture).....		0-06.28
FILM DEVELOPER (motion picture).....		5-86.020
FILM PRINTER (motion picture).....		5-86.030
FILM RECORDIST (motion picture).....		0-66.13
SOUND CUTTER (motion picture).....		0-66.15
SOUND-EFFECTS MAN (radio broadcasting).....		0-66.02
SOUND MIXER (motion picture).....		0-66.14
<b>RELATED FIELDS OF WORK</b>		
Miscellaneous Machine Tending.....		6-X2.409
Technical Control Work.....		0-X7.49

**SHEET METAL WORKER (ARMY TRADE GROUPS C and B)**

Fabricates, assembles, repairs and installs sheet metal articles and equipment: cuts sheet metal with hand, mechanical rotary or square shears; shapes metal on stakes, brakes, and other form-making equipment and machines; punches holes for rivets with centre punch and hammer or hand drill; makes connections, attachments, seams and joints by seaming, soldering, welding, riveting, bolting or brazing, using sheet metal worker's tools and oxyacetylene torch; grinds or files seams, joints or rivet surfaces with grinding wheel or file.

Must be able to read blueprints and prepare rough sketches. Must have a knowledge of elementary mathematics, elementary metallurgy and uses of different metals. Must have a knowledge of various fluxes and solders required for different metals and types of work.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<b>I Occupations requiring brief on-the-job training:</b>		
BRAKE OPERATOR, HAND (sheet metal work).....	6-94.206	
BRAZER (any industry).....	4-85.310	
GAS-TANK SUBASSEMBLER (automobile manufacturing).....	4-80.010	
SHEET-METAL APPRENTICE (sheet metal work).....	7-97.040	
SHEET-METAL ASSEMBLER, REFRIGERATOR (refrigerator & refrigerating & ice-making equipment).....	6-94.512	
SHEET-METAL-FABRICATING-MACHINE OPERATOR (sheet metal work).....	6-94.202	
SHEET-METAL WORKER (sheet metal work).....	4-80.010	
TINSMITH (any industry).....	4-80.010	
<b>II Occupations requiring brief additional training in the operation and use of metalworking machines and power tools:</b>		
ARBOR-PRESS OPERATOR (any industry).....	6-88.611	
BUMPER OPERATOR (aircraft manufacturing).....	6-94.221	
FORMING-PRESS OPERATOR (any industry).....	6-88.627	
POWER-HAMMER OPERATOR (boilermaking).....	6-88.714	
POWER-SHEAR OPERATOR (any industry).....	6-88.664	
SHEET-METAL DOUBLER (iron & steel).....	6-88.294	
SHEET-METAL LAY-OUT MAN (aircraft manufacturing).....	6-94.222	
TAPPING-MACHINE OPERATOR (automobile manufacturing).....	6-94.213	
TOGGLE-PRESS OPERATOR (automobile manufacturing).....	6-88.630	
<b>III Occupations requiring considerable additional training in methods used for all-around fabrication, lay-out, and forming of heavy structural material; or in specialized sheet metal work:</b>		
BOATBUILDER, STEEL (ship & boat building & repairing).....	4-80.070	
BOILERMAKER (boilermaking).....	4-83.100	
IRONWORKER, SHOP (structural & ornamental metal work).....	4-84.610	
LAY-OUT MAN (boilermaking).....	4-83.200	
METAL-TANK WORKER (construction).....	4-84.030	
ORNAMENTAL-IRON WORKER (construction).....	4-84.020	
SHEET-METAL INSPECTOR (aircraft manufacturing).....	5-03.820	
SHEET-METAL-WORKER FOREMAN (sheet metal work).....	4-80.010	
SKIN MAN (air transportation; aircraft manufacturing).....	5-03.552	
TEMPLATE MAKER, STRUCTURAL STEEL (structural & ornamental metal work).....	4-84.630	
<b>RELATED FIELDS OF WORK</b>		
Light Metal Structural Work.....	4-X6.213	
Sheet Metal Work (Shop).....	4-X6.313	
Simple Sheet Metal Work (Shop).....	6-X4.313	

## SHIPWRIGHT (ARMY TRADE GROUPS C, B, and A)

Performs skilled carpentry operations in the construction or repair of wooden craft, using carpenter's tools, axes and adzes: makes required templets; builds wooden frames and foundations to support boats being built or repaired; sets up and aligns new work; repairs such wooden parts as keel, ribs, masts or bulkheads; bends lumber to shapes required for either repairs or new work. Shipwright (Group A) may design new shipwork.

Must be able to make simple joints, such as mortise and tenon, plough and tongue, dovetail, etc. Must be able to caulk seams.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

BATTEN MAKER (ship & boat building & repairing).....	5-05.510
BOATBUILDER, WOOD (ship & boat building & repairing).....	5-25.610
CARPENTER, APPRENTICE (construction; railroad locomotive & car building & repairing).....	7-93.100
CARPENTER, SHIP (ship & boat building & repairing).....	5-25.640
CARPENTER, SHIP'S (water transportation).....	5-25.670
CHISEL-MORTISER OPERATOR (furniture; planing mill).....	6-33.312
FORM BUILDER (construction).....	5-25.240
SCAFFOLD BUILDER, WOODEN (construction; ship & boat building & repairing).....	5-25.230
TEMPLATE MAKER (ship & boat building & repairing).....	5-17.220

#### II Occupations requiring brief additional training in reading blueprints; or to learn specialized details of carpentry as found in woodworking, construction, mining, aircraft manufacturing:

AIRPLANE WOODWORKER (I) (aircraft manufacturing).....	4-33.916
BOWLING-ALLEY MECHANIC (construction).....	5-25.155
CARPENTER, HOUSE (construction).....	5-25.110
CARPENTER, STREETCAR (railroad locomotive & car building & repairing).....	5-25.550
PATTERNMAKER, WOOD (foundry; planing mill).....	5-17.020
SHAFTMAN (II) (bituminous coal mining; metal mining).....	5-22.910
SHIPFITTER (ship & boat building & repairing).....	4-84.012
TIMBERMAN (II) (construction).....	5-25.260
WAGONSMITH (any industry).....	4-86.015

#### III Occupations requiring considerable additional training in fine wood carving; or in supervision of boatbuilders or of carpenters:

ARTIFICIAL-LIMB MAKER (surgical & orthopedic appliances).....	5-09.430
BOATBUILDER FOREMAN (ship & boat building & repairing).....	5-92.422
BOATBUILDER, STEEL (ship & boat building & repairing).....	4-80.070
CABINETMAKER (I) (woodworking).....	4-32.100
CARPENTER, BOSS (motion picture).....	5-25.310
CARVER, HAND (furniture; planing mill).....	4-33.361
MODEL MAKER (aircraft manufacturing).....	5-17.120
WOOD TURNER; <i>Wood-Lathe Operator</i> (woodworking).....	4-33.363

### RELATED FIELDS OF WORK

All-Around Cabinet, Pattern, or Model Making (Wood).....	4-X6.320
Wood Machining.....	4-X2.02
Wood Structural Work (Carpentry).....	4-X6.220



## SHOEMAKER (ARMY TRADE GROUPS C and B)

Repairs shoes in an Army shoe repair shop; inspects and determines fitness of shoes for repair; resoles shoes by placing shoe on last, cutting off old sole with nippers or cobbler's knife, bevelling welt with knife, and holding shoe against sanding wheel to prepare for new sole; cements, nails or sews new sole in place over welt; finishes new soles by holding edge against revolving trimmer until sole is shaped to shoe; pries off old heel; snips the protruding nails; cuts new heel by hand or machine; nails or cements heels in place; bastes and does simple hand sewing; smooths bottom of shoe against buffer; finishes sole and heel; attaches heel and toe plates using nails and cobbler's hammer; stitches ripped seams by hand or machine; patches holes; dyes shoes; cements insoles; cuts leather from pattern to make boots and shoes. The Shoemaker (Group B) operates a shoe repair shop.

Should know how to make and use patterns. Must know leather and be able to select best grade from stock. Must have some knowledge of tanning process.

### RELATED CIVILIAN EMPLOYMENT

#### Dictionary of Occupational Titles - Codes

#### I Occupations not requiring additional training:

SHOE DYER (personal service).....	6-60.100
SHOE REPAIRMAN (personal service).....	4-60.100
SHOE REPAIRMAN, HAND (personal service).....	4-60.200
SHOE-REPAIRMAN HELPER (personal service).....	6-60.200
SHOE-REPAIR INSPECTOR, FINAL (personal service).....	4-60.300

#### II Occupations requiring brief on-the-job training to learn methods of trimming, stitching or sewing in the manufacture of boots and shoes:

BACKSTAY STITCHER (boot & shoe).....	4-61.211
COBBLER, SOLE (boot & shoe).....	4-61.171
COBBLER, UPPER; <i>Shoe Stitcher</i> (boot & shoe).....	4-61.172
FITTING REPAIRER (boot & shoe).....	4-61.217
GOODYEAR WELTER (II) (boot & shoe).....	4-61.222
SHOE FITTER, CUSTOM-MADE (boot & shoe).....	4-61.226
SKIVER, HAND (boot & shoe).....	4-61.073

#### III Occupations requiring additional training in canvas, luggage, and saddle repairing; or in the assembly of leather goods:

AWNING FINISHER; <i>Tent Maker</i> (canvas goods, flags & banners).....	6-27.812
CANVAS WORKER (canvas goods, flags & banners).....	4-27.811
HARNESS REPAIRMAN (any industry).....	4-62.120
LUGGAGE MAKER (leather products).....	4-62.030
LUGGAGE REPAIRMAN (any industry).....	4-62.110
PAD HAND (leather products).....	4-62.040
SADDLE MAKER (leather products).....	4-62.060
SAIL FINISHER (canvas goods, flags & banners).....	4-27.812

### RELATED FIELDS OF WORK

Bench Work, Fabric, Leather and Related.....	6-X4.35
Leather Working.....	4-X6.355

## SHOEMAKER (ORTHOPAEDIC) (ARMY TRADE GROUP A)

Constructs special shoes, lifts, etc. for orthopaedic patients to correct deformities of the feet; applies common corrective measures to individual cases; fits shoes with various types of arch supports and lifts, following instructions given by orthopaedic surgeon; makes impressions and patterns of patients' feet, and builds necessary supports and special shoes, using shoemaker tools and equipment.

Must be qualified as Shoemaker (Group B).

Must possess knowledge of the anatomy of the foot and orthopaedic conditions causing foot strain.

RELATED CIVILIAN EMPLOYMENT	Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>	
DESIGNER AND PATTERNMAKER (boot & shoe).....	4-61.871
LEATHER WORKER (automobile manufacturing).....	6-62.150
ORTHOPEDIC TECHNICIAN (surgical & orthopedic appliances).....	5-09.410
PATTERNMAKER (boot & shoe).....	4-61.872
SHOE FITTER, CUSTOM-MADE (boot & shoe).....	4-61.226
SHOE REPAIRMAN (personal service).....	4-60.100
SHOE REPAIRMAN, HAND (personal service).....	4-60.200
<b>II Occupations requiring brief additional training in massaging or in operation of therapeutic apparatus; or in methods of laying out patterns in foundry; or in methods of boot and shoe inspection; or in techniques of salesmanship:</b>	
ELECTROTHERAPIST (personal service).....	0-52.81
HYDROTHERAPIST (personal service).....	0-52.82
INSPECTOR (boot & shoe).....	4-61.861
MASSEUR (personal service).....	0-52.41
MECHANOTHERAPIST (medical services).....	0-52.21
PATTERN LAY-OUT MAN (foundry).....	5-17.030
SALESPERSON, ORTHOPEDIC SHOES (retail trade).....	1-75.61
<b>III Occupations requiring considerable additional training in methods of making, assembling, or fitting artificial limbs; or in pattern or model making; or in orthopaedic technology:</b>	
ARTIFICIAL-LIMB ASSEMBLER (surgical & orthopedic appliances)....	5-09.420
ARTIFICIAL-LIMB MAKER (surgical & orthopedic appliances).....	5-09.430
CHIROPODIST (medical services).....	0-52.01
FORM BUILDER (aircraft manufacturing; automobile manufacturing)....	5-17.060
MODELER (brick, tile, & nonclay refractories).....	0-44.62
MOLDER, PATTERN (foundry).....	4-81.040
PLASTER MOLDER (model & pattern).....	5-13.454
<b>RELATED FIELDS OF WORK</b>	
Leather Working.....	4-X6.355
Miscellaneous Bench Crafts.....	4-X6.309
Nursing and Medical Work.....	0-X7.02

For additional information see SHOEMAKER (ARMY TRADE GROUPS C and B).

## SIDE-RUNNER (ARMY TRADE GROUP C)

Supervises stowage or unloading of cargo in hold of ship; supervises proper slinging of load and correct use of dunnage; maintains safety regulations and proper handling of explosives, inflammables, caustic or corrosive materials. May perform duties of Hatch Tender.

Must know hand signals used by Hatch Tender and Winchman. Must know Regulations of the Safety Code Governing Port Companies of the Canadian Army, as applicable to Side-Runners.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

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#### I Occupations not requiring additional training:

DOCKMAN (water transportation).....	9-47.20
HEADER (water transportation).....	9-47.10
LONGSHOREMAN (water transportation).....	9-47.10
STEVEDORE (water transportation).....	7-47.100

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#### II Occupations requiring additional training to learn to operate power-driven hoists, winches, etc.; or in checking of ship's cargo:

BOAT LOADER (petroleum refining).....	7-47.300
HOISTMAN (bituminous coal mining; metal mining; nonmetal mining)...	5-73.510
LOCATION MAN (water transportation).....	1-34.26
ROPE DRIVER (bituminous coal mining).....	5-93.210
SKIP OPERATOR (iron & steel).....	5-73.550
SUPERCARGO (water transportation).....	1-44.25
WINCHMAN, CARGO (water transportation).....	7-73.730
WINDLASS OPERATOR (cooperage).....	6-38.450

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#### III Occupations requiring considerable additional training in organizing and directing loading and unloading of ships; or in supervising the operation of a warehouse or ammunition depot:

FLOAT MASTER (water transportation).....	0-98.82
RECEIVING-AND-SHIPING FOREMAN (any industry).....	5-99.070
SUPERINTENDENT, DOCK OPERATION (water transportation)....	0-98.97
SUPERINTENDENT, MAGAZINE AREA (ammunition & related products).....	0-99.91
SUPERINTENDENT, PIER (water transportation).....	0-98.93
SUPERINTENDENT, STEVEDORING (water transportation).....	0-98.97

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### RELATED FIELDS OF WORK

Hoisting Machine Operating.....	6-X2.493
Managerial Work, Transportation and Miscellaneous Services.....	0-X8.49



## SIGNALLER (ARTILLERY) (ARMY TRADE GROUP C)

## SIGNALLER (INFANTRY) (ARMY TRADE GROUP C)

Operates and maintains unit field communication, wireless and switchboard equipment; operates and reads buzzer at minimum rate of 10 words per minute; operates telephone sets, adjusts buzzer, tests for efficiency, connects for earth or metallic circuit, identifies and remedies dirty key contact or pressed switch contact, faulty receiver diaphragm or microphone capsule; connects, tests and operates telephone switchboard; locates faults in field cables by tying in with telephone, lengthens working cable without interrupting communication, makes temporary joints in field cable and establishes ground station with wireless sets in use in unit; tests wireless sets and rectifies external faults; sets up, operates and maintains wireless sets and remote control equipment; tests and maintains batteries.

Must be able to read maps.

Signaller (Infantry) sets up, operates and maintains Fullerphone.

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### RELATED CIVILIAN EMPLOYMENT

### Dictionary of Occupational Titles - Codes

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#### I Occupations not requiring additional training:

RADIO DISPATCHER (governmental services).....	0-61.20
RADIO INSTALLER, AUTOMOBILE (automotive services).....	7-83.415
SWITCHPANEL MAN (automobile manufacturing).....	7-02.371
TELEGRAPH-REPEATER ATTENDANT (telephone & telegraph).....	5-53.260
TELEGRAPHIC-TYPEWRITER INSTALLER (telephone & telegraph)	5-53.070
TELEPHONE INSPECTOR (telephone & telegraph).....	5-76.210
TELEPHONE OPERATOR (clerical & kindred).....	1-42.31

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#### II Occupations requiring brief additional training in methods of installing telephone or telegraph equipment; or in techniques of inspection or testing:

BATTERYMAN (any industry).....	5-89.411
ELECTRICAL TESTER (light, heat, & power).....	5-53.360
ELECTRICIAN, SWITCH-PANEL INSTALLATION (construction).....	4-97.010
INSTALLATION INSPECTOR (radio manufacturing).....	6-98.110
RADIO-EQUIPMENT ASSEMBLER, SPECIAL (radio manufacturing)	4-98.050
TELEGRAPH INSTALLER (telephone & telegraph).....	5-53.050
TELEGRAPHIC-TYPEWRITER OPERATOR; <i>Teletypist</i> (clerical & kindred).....	1-37.33
TELEPHONE INSTALLER (telephone & telegraph).....	5-53.030

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#### III Occupations requiring considerable additional training in radio installation or receiver testing; or in installation or testing of radio equipment; or in operation of airport control tower:

AIRPORT-CONTROL OPERATOR (air transportation).....	0-61.60
ELECTRICAL TESTER (light, heat, & power).....	5-53.360
ELECTRICIAN, CHIEF (motion picture).....	4-97.150
ELECTRICIAN, RADIO (any industry).....	5-83.445
INSTALLER (radio manufacturing).....	6-98.120
RECEIVER TESTER (radio manufacturing).....	4-98.060
TRANSMISSION MAN (motion picture).....	5-56.040

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### RELATED FIELDS OF WORK

Electrical Wiring and Related.....	4-X6.181
Electrical Equipment Repairing.....	4-X6.183

# SKIPPER (WATER TRANSPORT) 1ST CLASS (ARMY TRADE GROUP A)

Is in complete charge of a steam, gasoline or Diesel-driven coastal vessel: supervises officers and crew; plots ship's course, using navigation instruments and charts; keeps ship's log.

Must have a Tug Boat Master's Certificate, coastwise and inland shipping.

## RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

### I Occupations not requiring additional training:

BARGE CAPTAIN (water transportation).....	5-49.102
FERRYBOAT CAPTAIN (water transportation).....	0-88.14
TUGBOAT CAPTAIN (water transportation).....	0-88.02

### II Occupations requiring brief additional training in operating hoisting and fishing equipment; or in navigating larger craft:

DERRICK-BOAT CAPTAIN (construction).....	5-73.760
DREDGE MATE (construction).....	0-88.12
CAPTAIN (II) (fishing).....	3-87.91
MASTER (II) (water transportation).....	0-88.02
SHIP PILOT (water transportation).....	0-88.31

### III Occupations requiring additional training supervising dredge crews; or in handling freight, or vessel traffic; or in techniques of instruction or in editing marine news:

DREDGE CAPTAIN; <i>Dredge Master</i> (construction).....	0-88.11
EDITOR, MARINE (printing & publishing).....	0-06.44
FLOAT MASTER (water transportation).....	0-98.82
INSTRUCTOR, NAVIGATION (education & instruction).....	0-32.82
SUPERINTENDENT, PIER (water transportation).....	0-98.93
SUPERINTENDENT, STEVEDORING (water transportation).....	0-98.97
SUPERINTENDENT, TERMINAL (I) (water transportation).....	0-98.84

## RELATED FIELDS OF WORK

Managerial Work, Transportation and Miscellaneous Services.....	0-X8.49
Navigation Work.....	3-X8.70

## STEAMFITTER (ARMY TRADE GROUP C)

Installs, maintains and repairs steam and hot water installations: cuts, reams and threads pipes, using pipe cutter, reamer, vise, stock and dies; bends pipe by hand-driven or power-driven machine; uses Stillson wrench and pipe chain for turning or holding pipe.

Must have a working knowledge of the use of caulking, gasket and packing materials.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BOILERMAKER APPRENTICE (boilermaking).....	7-97.020
PIPE-FITTER APPRENTICE (construction).....	7-96.200
PLUMBER APPRENTICE (construction).....	7-96.100
PLUMBER HELPER, AIRCRAFT (aircraft manufacturing).....	7-03.570
STEAM-FITTER APPRENTICE (construction).....	7-96.300

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#### II Occupations requiring brief additional training in bending, cutting, threading, and fitting pipes; or in minor plumbing repair work:

HANGERMAN (ship & boat building & repairing).....	5-30.020
PIPE BENDER, HOT BLOCK (petroleum-refining).....	6-95.055
PIPE CUTTER, AWNINGS (retail trade).....	6-95.057
PIPE FITTER (construction).....	5-30.010
PIPE-THREADING-MACHINE OPERATOR (any industry).....	6-95.058
PLUMBER, MAINTENANCE (any industry).....	5-30.210
SOLDERER (any industry).....	6-95.001
STEAM FITTER (construction).....	5-30.410
TUBE-BENDING-MACHINE OPERATOR (aircraft manufacturing; automobile manufacturing; ship & boat building & repairing).....	6-95.053
WELDER HELPER, COMBINATION (any industry).....	6-95.043

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#### III Occupations requiring considerable additional training in plumbing, pipefitting, soldering, or welding; or in assembling and fitting boiler parts:

BOILERHOUSE INSPECTOR (any industry).....	5-76.910
FIT-UP MAN (boilermaking).....	4-83.300
FLAME-CUTTER OPERATOR (any industry).....	6-85.215
LEAD BURNER (construction; petroleum refining; ship & boat building & repairing).....	4-95.031
PIPE FITTER (ship & boat building & repairing).....	5-30.015
PLUMBER (construction).....	5-30.210
WELDER, SPOT (any industry).....	6-85.060
WELDER, TACK (any industry).....	6-85.080

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### RELATED FIELDS OF WORK

Plumbing and Related.....	4-X6.217
Welding and Related.....	6-X4.281



## STEAMFITTER (ARMY TRADE GROUP B)

In addition to duties of Steamfitter (Group C), assembles and installs low-pressure boiler and heating attachments for small heating installations; working from plans and specifications, lays out work and estimates time and materials required for job.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

HANGERMAN (ship & boat building & repairing).....	5-30.020
PIPE ASSEMBLYMAN (ship & boat building & repairing).....	5-30.030
PIPE FITTER (construction).....	5-30.010
SHEET-METAL LAY-OUT MAN (aircraft manufacturing).....	6-94.222
STEAM FITTER (construction).....	5-30.410
STEAM FITTER, MARINE (ship & boat building & repairing).....	5-30.410

#### II Occupations requiring brief additional training in installation of plumbing fixtures; or in installation of furnaces or oil burners; or in methods of simple welding:

FURNACE INSTALLER AND REPAIRMAN, HOT AIR (any industry)	5-83.023
OIL-BURNER-INSTALLATION-AND-SERVICE MAN (any industry) ..	5-83.024
PIPE BENDER, SHIP (ship & boat building & repairing).....	6-95.062
PLUMBER (construction).....	5-30.210
PLUMBER (ship & boat building & repairing).....	5-30.260
WELDER, BUTT (any industry).....	6-85.020
WELDER, TACK (any industry).....	6-85.080

#### III Occupations requiring considerable additional training in heavy metal structural or sheet metal work; or in methods of boiler inspection:

BOILER INSPECTOR (professional & kindred).....	0-79.03
BOILERMAKER, MAINTENANCE (any industry).....	4-83.100
IRONWORKER, SHOP (structural & ornamental metal work).....	84.610
LAY-OUT MAN (boilermaking).....	83.200
MAINTENANCE MECHANIC (any industry).....	5-83.641
METAL-TANK WORKER (construction).....	4-84.030
PATTERNMAKER, METAL (foundry).....	5-17.010
SHEET-METAL WORKER (sheet metal work).....	4-80.010

### RELATED FIELDS OF WORK

Heavy Metal Structural Work.....	4-X6.211
Plumbing and Related.....	4-X6.217
Sheet Metal Work (Shop).....	4-X6.313

For additional information see STEAMFITTER (ARMY TRADE GROUP C).

## STOKER (STATIONARY ENGINE) (ARMY TRADE GROUP C)

Has charge of and operates small steam-driven plant, supplying heat or steam to power equipment or a building: places fuel in fire box by mechanical stoker or by hand shovel; regulates draughts and fuel supply to maintain required steam pressure, indicated on gauge; maintains water in boiler at required level, manipulating valves to control operation of water feed pump; removes ashes and clinkers from fire box, using bars, shovels, and wires; washes out boiler and makes boiler joints; under supervision, carries out running adjustments and makes minor repairs, including replacement of spare parts.

Must have practical understanding of fuel economy, combustion, and smoke prevention. Must know purpose and operation of safety valves, steam and water gauges, safety cocks, and water feed pumps. Must understand function of simple steam reciprocating engine, and carry out engine lubrication efficiently.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

BOILER-OPERATOR HELPER (any industry).....	7-70.020
BOILERMAKER APPRENTICE (boilermaking).....	7-97.020
FIREMAN, INDUSTRIAL LOCOMOTIVE (any industry).....	5-42.200
FIREMAN, LOW PRESSURE (any industry).....	7-70.010
FIREMAN, PORTABLE BOILER (any industry).....	7-70.070
FIREMAN, STATIONARY BOILER (any industry).....	7-70.040
KILN TENDER (lime).....	6-67.320

#### II Occupations requiring brief on-the-job training to become familiar with boilers used on ships or on locomotives; or brief training in industrial processes which include charging of furnaces, ovens, etc.:

FIREMAN, KILN (pottery & porcelain ware).....	6-66.611
FIREMAN, MARINE (water transportation).....	7-70.210
FIREMAN, STILL (petroleum refining).....	6-55.070
FIREMAN, ZINC FURNACE (nonferrous metal smelting & refining).....	6-91.531
FIRER (radio manufacturing).....	6-98.280
HOSTLER, INSIDE (railroad transportation).....	5-41.020
HOSTLER, OUTSIDE (railroad transportation).....	5-41.030
OVEN TENDER (furniture).....	6-36.870
STEAM-DINKEY OPERATOR (any industry).....	7-40.070

#### III Occupations requiring considerable additional training in the operation and maintenance of stationary engines, turbines, generators, motors; or in boilermaking; or in methods of diagnosing malfunctioning engines; or in use of gauges and steel rods to measure oil in tanks:

BOILER-HOUSE FOREMAN (light, heat, & power).....	5-95.320
BOILER-SHOP MECHANIC (boilermaking).....	4-83.400
BOILER TESTER (boilermaking).....	6-83.130
BOILERMAKER (boilermaking).....	4-83.100
DIESEL-ENGINE OPERATOR, STATIONARY (any industry).....	5-72.210
GAGER (petroleum & natural gas production; petroleum refining; pipe-line operation).....	6-55.060
OPERATING ENGINEER (IV) (construction).....	5-23.910
POWER-HOUSE ENGINEER (any industry).....	5-51.010
STATIONARY ENGINEER (any industry).....	5-72.010

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### RELATED FIELDS OF WORK

Engine and Pump Maintenance and Repairing.....	4-X2.102
Non-Metal Kiln Operating and Related.....	6-X2.605
Simple Non-Metal Furnace and Boiler Tending.....	6-X2.608

## STOREHOLDER (ARMY TRADE GROUPS C and B)

Performs various clerical and stock-handling duties in connection with receipt, storage, issue and shipping of Ordnance stores: keeps ledger record of receipt and issue of stores; takes inventory of stores; arranges stock neatly and methodically in bins or lockers; packs, weighs and ships stores. The Storeholder (Group B) may take charge of a small Ordnance Depot.

Must be familiar with methods of stock preservation. Must have a thorough knowledge of catalogues and bulletins and systems of numbering and grouping stores.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

INVENTORY CLERK (clerical & kindred).....	1-01.41
RECEIVING CLERK (clerical & kindred).....	1-34.04
SHIPPING CLERK (clerical & kindred).....	1-34.13
STOCK CLERK (clerical & kindred).....	1-38.01
STOCK FOREMAN (clerical & kindred).....	1-38.01
STOCK-CONTROL CLERK (clerical & kindred).....	1-38.04
STOCK-CONTROL SUPERVISOR (clerical & kindred).....	1-38.04

#### II Occupations requiring brief training in clerical tasks involving record-keeping or in bookkeeping and accounting methods:

ACCOUNTING CLERK (clerical & kindred).....	1-01.31
AUDIT CLERK (clerical & kindred).....	1-01.32
BOOKKEEPER (clerical & kindred).....	1-01.02
BUDGET CLERK (clerical & kindred).....	1-01.05
COST CLERK (clerical & kindred).....	1-01.35
INSURANCE CLERK (clerical & kindred).....	1-01.38
POSTING CLERK (clerical & kindred).....	1-01.43

#### III Occupations requiring considerable additional training in routing work; or in supervision and direction of office, stockroom or warehouse staff:

CHIEF CLERK (clerical & kindred).....	0-97.13
EXPEDITER (clerical & kindred).....	1-34.02
MANAGER, STOCKROOM (clerical & kindred).....	1-38.50
MANAGER, WAREHOUSE (any industry).....	0-99.92
ROUTEMAN (ship & boat building & repairing).....	0-97.53
STOCK SUPERVISOR (retail trade).....	5-97.620

### RELATED FIELDS OF WORK

Equipment and Material Checking.....	1-X2.8
General Recording Work.....	1-X2.0
Managerial Work (Clerical, Administrative, Fiscal, Sales).....	0-X8.10



## STOREHOLDER (M.V.) (ARMY TRADE GROUPS C and B)

Maintains motor vehicle spare parts store: receives, bins and catalogues spare parts; regulates issue of parts by knowledge of the system of supply and movement of Vehicle Spare Parts, both at home and in the field; takes stock and makes ledger entries; properly packs, weighs, marks and addresses packages; interprets parts failure and advises change of any adjacent parts that may wear or be damaged in the original failure; keeps adequate stock of spare parts based on forecast of the frequency of parts failures. Storeholder (M.V.) (Group B) supervises Storemen (Technical and Departmental).

Must qualify as Storeman (Technical and Departmental) experienced in Motor Transport Spare Parts. Must have knowledge of Ordnance Accounting (single entry system). Must have thorough knowledge of parts, catalogues and bulletins, of different systems of numbering and grouping spare parts, and of model identification. Must be familiar with parts interchangeable between various makes and models, using the cross reference system provided. Must understand the general principles and construction of motor vehicles. Storeholder (M.V.) (Group B) must qualify as Driver, I.C. Class III.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring brief on-the-job training:

DELIVERY CLERK (II) (clerical & kindred).....	1-34.01
INVENTORY CLERK (clerical & kindred).....	1-01.41
RECEIVING CLERK (clerical & kindred).....	1-34.04
SHIPPING CLERK (I) (clerical & kindred).....	1-34.13
STOCK CLERK; <i>Stockkeeper</i> (clerical & kindred).....	1-38.01
STOCK-CONTROL CLERK (clerical & kindred).....	1-38.04
STOREROOM CLERK, GARAGE SUPPLIES (retail trade).....	1-38.01

#### II Occupations requiring brief additional training in procedures of receiving, storing, shipping or routing various supplies; or in other industrial clerical duties:

ACCOUNTING CLERK (clerical & kindred).....	1-01.31
FIELD CLERK (construction).....	1-49.87
FOREIGN CLERK; <i>Export Clerk</i> (clerical & kindred).....	1-34.23
LUMBER CHECKER (planing mill).....	6-29.510
MANAGER, STOCKROOM (clerical & kindred).....	1-38.50
SHIPPING CHECKER (aircraft manufacturing).....	1-31.17
STOCK CHASER (II) (any industry).....	1-18.65
SUPERCARGO (water transportation).....	1-44.25
TOOL CLERK; <i>Tool Checker</i> (clerical & kindred).....	1-38.05

#### III Occupations requiring additional training in selling techniques; or in methods of installing or inspecting automobile parts; or in supervision of such techniques:

AUTOMOBILE-ACCESSORIES INSTALLER (automotive services).....	7-83.981
BODY-ASSEMBLY INSPECTOR (automobile manufacturing).....	7-02.741
MANAGER, RETAIL AUTOMOTIVE (retail trade).....	0-72.11
SALESMAN, MOTOR VEHICLES AND SUPPLIES (wholesale trade)...	1-85.11
SALESPERSON, AUTOMOBILE PARTS (retail trade).....	1-75.22
SUPERINTENDENT, MAINTENANCE (motor vehicle transportation)..	0-98.80
TROUBLE MAN, CHASSIS PARTS (automobile manufacturing).....	7-02.726

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### RELATED FIELDS OF WORK

Equipment and Material Checking.....	1-X2.8
Routine Recording Work.....	1-X2.9

# STOREMAN (TECHNICAL AND DEPARTMENTAL) (ARMY TRADE GROUP C)

Performs various clerical and stock-handling duties in connection with the receipt, storage and shipment of general supplies and equipment: checks and stores material, using handling equipment such as stackers, roller, conveyors and lifts; prepares material for shipment; deals with carriers' and railways' agents in matters of transportation and damage claims; determines serviceability of stores.

Must be able to write legibly, make neat and accurate ledger entries. Must have a general knowledge of balanced operations, accounting, railway documents, labels and routing of shipments. Must be familiar with equipment and stores dealt with by his corps. Must be able to identify Mechanical Transport and Technical Spare Parts.

## RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

### I Occupations not requiring additional training:

CHECKER (clerical & kindred).....	1-03.02
DRY-DRUG MAN (textile).....	7-88.640
RECEIVING CHECKER (cleaning, dyeing, & pressing).....	7-57.002
RECEIVING CLERK (III) (clerical & kindred).....	1-34.04
SHIPPING CLERK (II) (clerical & kindred).....	1-34.14
STOCK CLERK (II) (clerical & kindred).....	1-38.01
STORAGE CLERK, RUG (cleaning, dyeing, & pressing).....	1-38.02

### II Occupations requiring brief additional training in methods of supervising stockroom staff; or in clerical tasks other than stockkeeping:

ACCOUNTING CLERK (clerical & kindred).....	1-01.31
FIELD CLERK (construction).....	1-49.87
INVENTORY CLERK (clerical & kindred).....	1-01.41
MANAGER, STOCKROOM (clerical & kindred).....	1-38.50
STOCK CHASER (II) (any industry).....	1-18.65
SUPERCARGO (water transportation).....	1-44.25
TOOL CLERK; <i>Tool Checker</i> (clerical & kindred).....	1-38.05

### III Occupations requiring considerable additional training in technique of purchasing; or in supervisory duties; or in inspection of merchandise:

COMMISSARY MAN (any industry).....	0-72.55
CUSTOMS INSPECTOR (governmental services).....	0-95.01
CUSTOMS VERIFIER (governmental services).....	0-95.04
MERCHANDISE EXAMINER (governmental services).....	0-95.05
PURCHASING AGENT (any industry).....	0-91.60
PURSER (water transportation).....	0-88.41
STOCK SUPERVISOR (retail trade).....	5-97.620

## RELATED FIELDS OF WORK

Equipment and Material Checking.....	1-X2.8
General Recording Work.....	1-X2.0
Purchase and Sales Work.....	0-X7.15

## SURVEYOR (ENGINEERING) (ARMY TRADE GROUPS C, B, and A)

Makes minor control and topographical mapping surveys, and lays out building sites, etc., on the ground from detailed plans or blueprints; carries out control surveys by running closed traverses by tape, and compass or transit, laying out and measuring base lines, running minor triangulations, running spirit level lines, and taking solar and stellar observations to compute azimuth, time, latitude and longitude; makes topographical surveys either by plane table method, using alidade and range finder, or by interpretation of aerial photographs; keeps suitable field notes for any type of work; computes and plots to scale all triangulations, traverses, and observations, using slide rule, trigonometry, and logarithms; compiles and inks in or colours, topographical sketches; prepares working plans and detailed drawings from rough sketches or notes; lays out, and ties in to control, detailed plans for building sites, etc.

Must have sound knowledge of elementary mathematics (Junior Matriculation or equivalent). Surveyor (Engineering) (Group A) must be competent to take full charge of small survey party.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

CHAINMAN, SURVEYING (any industry).....	7-87.200
COMPASS MAN (logging).....	0-64.50
GEODETIC COMPUTER (governmental services).....	0-64.40
INSTRUMENT MAN (professional & kindred).....	0-64.30
NOTE KEEPER (any industry).....	7-87.300
RODMAN (any industry).....	7-87.100
SURVEYOR, LAND (professional & kindred).....	0-64.10
SURVEYOR, TOPOGRAPHICAL (professional & kindred).....	0-64.10

#### II Occupations requiring brief additional training to become familiar with surveying in different fields; or in techniques of topographical draughting:

CRUISER (logging).....	0-68.14
DRAFTSMAN, TOPOGRAPHICAL (professional & kindred).....	0-48.26
LIGHTKEEPER, TRIANGULATION (professional & kindred).....	0-64.70
SURVEYOR, HIGHWAY (construction).....	0-64.10
SURVEYOR, MARINE (professional & kindred).....	0-64.10
SURVEYOR, MINE (bituminous coal mining; metal mining).....	0-64.10
SURVEYOR, RAILROAD (professional & kindred).....	0-64.10

#### III Occupations requiring considerable additional training in various types of draughting; or in techniques of aerial photography; or technical training in civil engineering:

ARCHITECTURAL ENGINEER (professional & kindred).....	0-16.01
DETAILER (professional & kindred).....	0-48.01
DRAFTSMAN, ARCHITECTURAL (professional & kindred).....	0-48.05
DRAFTSMAN, COMMERCIAL (professional & kindred).....	0-48.06
DRAFTSMAN, CONSTRUCTION (professional & kindred).....	0-48.08
LOFTSMAN (aircraft manufacturing).....	5-17.245
PHOTOGRAPHER, AERIAL (professional & kindred).....	0-56.01
SPECIFICATION WRITER, ENGINEERING (professional & kindred).....	0-68.61
SURVEYOR, TOPOGRAPHICAL PHOTOGRAPHY (professional & kindred).....	0-64.60

### RELATED FIELDS OF WORK

Landscape Drafting and Surveying.....	0-X7.73
Structural Drafting and Related.....	0-X7.72
Structural Engineering and Related.....	0-X7.42



**SURVEYOR, R. C. A. (ARMY TRADE GROUPS C, B, and A)**

Sets up and operates surveying and fire control instruments to establish angles, distances, and elevations, to locate various points on terrain such as gun positions and observation posts; determines measurements of distance, elevation, and horizontal and vertical angles by instrument readings and by calculations, in connection with such activities as the preparation of maps, or the construction of buildings, roads, bridges, etc.; keeps field notes of instrument observations; computes azimuth, position, latitude and longitude from solar and stellar observations; computes military grid co-ordinates from latitude and longitude, or by observation on Polaris using a polarimeter; makes sketches of landmarks; plots surveyed positions on map or chart; performs additional draughting and plane table work, such as making overlays, resections, or restitutions, to record results of surveyed positions on maps or charts; sets up and uses sound ranging equipment and instruments, establishing wire-operated post, radio-link microphone post, and radio-link control station.

Must have knowledge of logarithms, trigonometry, gunnery, map reading, field sketching, tactical organization of Artillery, star identification for observation purposes, use of range tables and air burst ranging graph. Must be able to use slide rules and calculating machines. Surveyor, R.C.A. (Group A) must have thorough knowledge of theory of sound ranging. Must have knowledge of plotting, and of observation and post procedure in flash spotting. Must have knowledge of elementary electricity, of maintenance of telephone cables and telephones, and of operation of wireless sets.

Must have served satisfactorily as Surveyor, R.C.A. (Group B) for six months, and have completed course at School of Survey at Larkhill or equivalent course in Canada. Surveyor, R.C.A. must be qualified Driver, I.C. and have completed basic training of gunner.

**RELATED CIVILIAN EMPLOYMENT**

**Dictionary of  
Occupational  
Titles - Codes**

**I Occupations not requiring additional training:**

CHAINMAN, SURVEYING (any industry).....	7-87.200
COMPASS MAN (logging).....	0-64.50
ELECTRICIAN APPRENTICE (any industry).....	7-95.100
GEODETIC COMPUTER (governmental services).....	0-64.40
INSTRUMENT MAN (professional & kindred).....	0-64.30
NOTE KEEPER (any industry).....	7-87.300
RODMAN (any industry).....	7-87.100
SURVEYOR, ASSISTANT (bituminous coal mining).....	0-64.20

**II Occupations requiring brief additional training in specific types of surveying; or in draughting, as it relates to surveying; or in the operation and adjustment of radio transmission equipment; or in the layout of cable runs and preparation of related specifications:**

CABLE-LAY-OUT MAN (telephone & telegraph).....	0-68.65
DRAFTSMAN, MAP (professional & kindred).....	0-48.15
DRAFTSMAN, TOPOGRAPHICAL (professional & kindred).....	0-48.26
LIGHTKEEPER, TRIANGULATION (professional & kindred).....	0-64.70
RADIO OPERATOR (governmental services; radio broadcasting; water transportation).....	0-61.30
SURVEYOR (professional & kindred).....	0-64.10
SURVEYOR, HIGHWAY (construction).....	0-64.10
SURVEYOR, MINE (bituminous coal mining; metal mining).....	0-64.10
SURVEYOR, TOPOGRAPHICAL PHOTOGRAPHY (professional & kindred).....	0-64.60
TELEPHONE INSPECTOR (telephone & telegraph).....	5-76.210

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**RELATED CIVILIAN EMPLOYMENT****Dictionary of  
Occupational  
Titles - Codes**

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**III Occupations requiring considerable additional training in techniques of classroom presentation of material; or in methods of conducting surveys of forest resources; or in the planning and direction of cable laying and repairing; or of land conversion into ornamental development; or in technique of writing specifications; or technical training in civil engineering:**

ARCHITECT, LANDSCAPE (professional & kindred).....	0-03.20
CABLE ENGINEER (telephone & telegraph).....	0-17.02
CRUISER (logging).....	0-68.14
FORESTER, JUNIOR (governmental services).....	0-38.01
INSTRUCTOR, MATHEMATICS (education & instruction).....	0-32.30
INSTRUCTOR, MECHANICAL DRAWING (education & instruction)...	0-31.01
RIGHT-OF-WAY ENGINEER (light, heat, & power; telephone & telegraph).....	0-16.01
SPECIFICATION WRITER, ENGINEERING (professional & kindred)..	0-68.61

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**RELATED FIELDS OF WORK**

Electrical Wiring and Related.....	4-X6.181
Engineering and Related.....	0-X7.4
Landscape Drafting and Surveying.....	0-X7.73

## SURVEYOR (TOPOGRAPHICAL) (ARMY TRADE GROUPS C, B, and A)

Sets up, operates and adjusts such surveyor's instruments as transit, level, stadia rod, barometer and theodolite to establish angles, distances and elevations to locate various points on terrain: computes and adjusts traverse, azimuths, elevations, distances and coordinates; computes azimuth, position, latitude and longitude by the sun and stars; computes grid coordinates from latitude and longitude; does barometric levelling, applying corrections for temperature and diurnal pressure variations; keeps field notes of instrument observations; plots Modified British Grid to a tolerance of 0.01"; assembles and interprets air photographs, using simple stereoscope and parallax bar; transfers details accurately from air photograph to plot; does ground survey photography, exercising skill in choice and identification of photographic control points.

Must have sound knowledge of mathematics, including the solving of plane and spherical triangles by natural and logarithmic functions. Must be able to use slide rule and calculating machines. Must be able to do Crones graphical construction for azimuth and true horizon.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

CHAINMAN, SURVEYING (any industry).....	7-87.200
GEODETIC COMPUTER (governmental services).....	0-64.40
INSTRUMENT MAN (professional & kindred).....	0-64.30
NOTE KEEPER (any industry).....	7-87.300
RODMAN (any industry).....	7-87.100
SURVEYOR, TOPOGRAPHICAL (professional & kindred).....	0-64.10

#### II Occupations requiring brief training in special techniques used in different types of surveying and in taking air photographs used in making topographical maps:

COMPASS MAN (logging).....	0-64.50
LIGHTKEEPER, TRIANGULATION (professional & kindred).....	0-64.70
SURVEYOR (professional & kindred).....	0-64.10
SURVEYOR, HIGHWAY (construction).....	0-64.10
SURVEYOR, MINE (bituminous coal mining; metal mining).....	0-64.10
SURVEYOR, TOPOGRAPHICAL PHOTOGRAPHY (professional & kindred).....	0-64.60

#### III Occupations requiring considerable additional training in draughting:

DETAILER (professional & kindred).....	0-48.01
DRAFTSMAN, ARCHITECTURAL (professional & kindred).....	0-48.05
DRAFTSMAN, COMMERCIAL (professional & kindred).....	0-48.06
DRAFTSMAN, CONSTRUCTION (professional & kindred).....	0-48.08
DRAFTSMAN, LANDSCAPE (professional & kindred).....	0-48.13
DRAFTSMAN, MAP (professional & kindred).....	0-48.15
DRAFTSMAN, MECHANICAL (professional & kindred).....	0-48.18
DRAFTSMAN, STRUCTURAL (professional & kindred).....	0-48.25

### RELATED FIELDS OF WORK

Drafting and Related.....	0-X7.7
Landscape Drafting and Surveying.....	0-X7.73



## TAILOR (ARMY TRADE GROUP C)

Carries out general alterations and repairs on all types of Army clothing: replaces pockets, buttons and epaulettes on uniforms; makes seal repairs on waterproof clothing; takes measurements and makes simple alterations (e.g. waist, arm length) to rank and file garments; bastes and stitches chevrons or insignia on clothing; makes armbands and some less difficult garments; keeps tools and equipment in good working condition.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BASTER, HAND (garment; knit goods).....	6-27.071
BUTTON SEWER (knit goods).....	6-27.073
FELLER, HAND (garment).....	6-27.075
FINISHER, HAND (knit goods).....	6-27.263
HOOK-AND-EYE ATTACHER (knit goods).....	6-27.567
LABEL SEWER, HAND (garment).....	6-27.098
SEWER, HAND (knit goods).....	6-27.083
SEWER, HAND (housefurnishing goods; retail trade).....	6-27.087
THREAD MARKER (garment).....	6-27.027

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#### II Occupations requiring brief training to learn to handsew heavy fabrics or leather:

AWNING FINISHER (canvas goods, flags & banners).....	6-27.812
BELTMAN (any industry).....	7-83.611
BURLER (carpet & rug).....	6-19.333
CARPET SEWER (retail trade).....	6-25.420
HARNESS FITTER (leather products).....	6-62.060
SEWER, HAND (aircraft manufacturing).....	6-27.111
SEWER, HAND (automobile manufacturing).....	6-27.078

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#### III Occupations requiring additional training in the use of various types of sewing machines and attachments in the fabrication of textile products:

BASTING-MACHINE OPERATOR (any industry).....	6-27.502
FRINGING-MACHINE OPERATOR (textile).....	6-27.565
GANG OPERATOR (garment).....	6-27.501
GATHERING-MACHINE OPERATOR (garment).....	6-27.566
PLAIN-GOODS HEMMER (textile).....	6-27.077
SEWING-MACHINE OPERATOR, COTTON GARMENTS (garment)...	6-27.531
SEWING-MACHINE OPERATOR, SHIRTS AND RELATED PRO- DUCTS (garment).....	6-27.534
ZIG-ZAG-MACHINE OPERATOR (any industry).....	6-27.578

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### RELATED FIELDS OF WORK

Bench Work, Fabric, Leather and Related.....	6-X4.35
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## TAILOR (ARMY TRADE GROUP B)

In addition to duties of Tailor (Group C), drafts patterns, cuts material and makes uniforms; takes measurements for special size garments; fits and makes alterations to all rank and file garments; cuts out and sews curtains and fits with rod or rings; cuts out and sews flags, attaching canvas reinforcement with rope and toggle on one end; gives estimates of material required for specific articles and its cost; keeps records of materials and garments passing through the shop.

Must be able to operate and adjust all shop machinery and equipment. Must have thorough knowledge of adaptability of various cloths to different types of work.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

CUSTOM TAILOR (garment; retail trade).....	4-26.101
SAMPLE STITCHER (garment; knit goods).....	4-26.202
TAILOR (garment; knit goods).....	4-26.101
TAILOR, READY-TO-WEAR (retail trade).....	4-26.201
TAILOR, WOMEN'S GARMENTS (retail trade).....	4-26.201

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#### II Occupations requiring brief training to learn to cut out and sew heavy fabrics; or to make or repair rugs, sails, or leather goods:

AUTOMOBILE UPHOLSTERER (automotive services).....	4-35.610
AWNING MAKER (canvas goods, flags & banners).....	6-27.811
BACKSTAY STITCHER (boot & shoe).....	4-61.211
BINDING STITCHER (boot & shoe).....	4-61.212
FABRIC WORKER (aircraft manufacturing).....	5-03.030
LUGGAGE REPAIRMAN (any industry).....	4-62.110
MATTRESS FINISHER (mattress & bedspring).....	4-36.413
RUG REPAIRER (cleaning, dyeing, & pressing).....	4-27.374
SAIL FINISHER (canvas foods, flags & banners).....	4-27.812

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#### III Occupations requiring considerable additional training in designing garments; or in methods of cutting, sewing, fitting and finishing fur garments:

COPYIST (retail trade).....	0-46.02
FUR DESIGNER (fur goods; retail trade).....	0-46.06
FUR TAILOR (garment).....	4-21.310
FURRIER (fur goods; retail trade).....	4-21.010
MEN'S CLOTHING DESIGNER (professional & kindred; retail trade)...	0-46.01
MILLINER (retail trade).....	4-73.100
WOMEN'S CLOTHING DESIGNER (professional & kindred; retail trade).....	0-46.01

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### RELATED FIELDS OF WORK

Bench Work, Fabric, Leather and Related.....	4-X6.35
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**TELECOMMUNICATION MECHANIC (COAST ARTILLERY)**  
**(ARMY TRADE GROUPS C, B, and A)**

**TELECOMMUNICATION MECHANIC (HEAVY ANTI-AIR-  
CRAFT) (ARMY TRADE GROUPS C, B, and A)**

**TELECOMMUNICATION MECHANIC (LIGHT ANTI-AIR-  
CRAFT) (ARMY TRADE GROUPS C, B, and A)**

Adjusts, maintains and repairs complete radar equipment; adjusts and maintains radar equipment in operation; traces and isolates faults in chassis, using such equipment as multimeters, oscilloscopes, electronic voltmeters, tube testers, signal generators, wavemeters, B.F. oscillators, insulation testers and impedance bridges; bench-tests chassis in workshop and replaces faulty components, using normal hand tools and electrical soldering iron, blow torch, hand drills, taps, micrometers, feeler gauges, calipers, rules, spirit levels and aligning jigs; aligns and tests chassis for optimum performance; modifies equipment to detailed written instructions in accordance with design changes; services motors, gear reducers, roller bearings, Diesels and generators (but does not make complete repair).

Must have elementary knowledge of radar circuits, chassis, oscilloscopes, transmission lines, wave guides and antennae.

**RELATED CIVILIAN EMPLOYMENT**

**Dictionary of  
Occupational  
Titles - Codes**

**I Occupations not requiring additional training:**

Assembly, inspection, maintenance and repair jobs found in plants manufacturing radar equipment.

**II Occupations requiring brief training to learn methods of installing, assembling, testing or repairing relatively simple radio equipment or electrical instruments:**

ELECTRICAL ASSEMBLER (electrical equipment).....	6-78.634
MAGNET WINDER (electrical equipment).....	4-99.012
PHOTOPHONE ASSEMBLER (radio manufacturing).....	6-98.170
RADIO INSTALLER, AUTOMOBILE (automotive services).....	7-83.415
RADIO REPAIRMAN (radio manufacturing).....	6-98.210
RADIO-TRANSMITTER ASSEMBLER; <i>Wire Man</i> (radio manufacturing).....	6-98.310
ROTOR ASSEMBLER (electrical equipment).....	4-99.162

**III Occupations requiring additional training to learn methods of installing, assembling, testing or repairing more complex radio equipment or electrical instruments:**

ELECTRIC-METER TESTER (light, heat, & power).....	5-83.452
ELECTRICAL ADJUSTER (electrical equipment).....	5-00.933
ELECTRICAL TESTER (radio manufacturing).....	4-98.010
ELECTRICAL TESTER (telephone & telegraph).....	5-53.370
FIELD-COIL WINDER (any industry).....	4-99.011
RADIO MECHANIC (any industry).....	5-83.411
RECEIVER TESTER (radio manufacturing).....	4-98.060
TRANSMITTER TESTER (radio manufacturing).....	0-61.80
TROUBLE SHOOTER (radio manufacturing).....	5-83.413

**RELATED FIELDS OF WORK**

Electrical Repairing.....	4-X6.18
Electrical Unit Assembling.....	6-X4.308
Radio Repairing and Related.....	4-X6.185



## TELECOMMUNICATION MECHANIC (FIELD) (ARMY TRADE GROUPS C, B, and A)

### TELECOMMUNICATION MECHANIC (LINES OF COMMUNICATION) (ARMY TRADE GROUPS C, B, and A)

Makes regular visual and mechanical inspection of Army communication equipment, to prevent breakdown; traces, isolates and repairs faults: maintains field telephones, Fullerphones, common battery telephone systems, magneto systems, sound-powered and loud-speaking telephones, P.A. systems, remote control units, wireless transmitters and receivers, secondary batteries and associated charging equipment and protective devices; Telecommunication Mechanic (Lines of Communication) maintains, in addition, motors (including dynamotors, generators, etc.) transformers, relays, contactors, circuit breakers, teleprinters, switchboards (manual and automatic), repeater stations, and fixed station wireless equipment (high-powered transmitters, receivers, etc.); traces and isolates faults in above mentioned equipment by visual, electrical, signal, sound or voltage circuit tracing, using such testing instruments as signal generators, Q meters, oscilloscopes, voltmeters, ammeters, wattmeters and analyzers; replaces defective assemblies or repairs defective components of such assemblies; manufactures (where necessary) mechanical components, involving the use of taps, dies, drills and hand sets on mild steel, brass or copper; adjusts and calibrates repaired equipment; uses normal hand tools (pliers, wrenches, drills, etc.) and to a limited degree lathes, drill presses, milling machines, shapers, etc.

Should have matriculation and pre-enlistment experience in radio, wireless and/or telephone equipment. Must have six months technical training and six to nine months field experience to qualify for Telecommunication Mechanic (Field) (Group A). Telecommunication Mechanic (Lines of Communication) must be qualified as Telecommunication Mechanic (Field) (Group A) and undergo additional training in teletype, fixed station wireless equipment and switchboards (manual and automatic). Must be able to read blueprints, circuit diagrams and technical specifications.

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#### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

ELECTRICAL TESTER; <i>Test Man</i> (light, heat, & power).....	5-53.360
ELECTRICAL TESTER (telephone & telegraph).....	5-53.370
TEST MAN (telephone & telegraph).....	5-53.332
TOLL REPAIRMAN, CENTRAL OFFICE (telephone & telegraph).....	5-53.310
TROUBLE MAN (light, heat, & power).....	5-53.350
WIRE CHIEF (telephone & telegraph).....	5-53.320
WIREMAN (telephone & telegraph).....	5-53.290

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#### II Occupations requiring brief training in the installation, repair or maintenance of civilian telegraph equipment:

TELEGRAPH INSTALLER (telephone & telegraph).....	5-53.050
TELEGRAPH-REPEATER ATTENDANT (telephone & telegraph).....	5-53.260
TELEGRAPH-REPEATER INSTALLER (telephone & telegraph).....	5-53.060
TELEGRAPHIC-TYPEWRITER INSTALLER (telephone & telegraph).....	5-53.070
TELEGRAPHIC-TYPEWRITER REPAIRMAN (telephone & telegraph).....	5-53.270
TESTING-AND-REGULATING MAN (telephone & telegraph).....	5-53.910

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#### III Occupations requiring additional training in methods of installing, repairing or testing electrical apparatus or appliances:

ELECTRIC-METER INSTALLER (light, heat, & power).....	5-83.451
ELECTRICAL ADJUSTER (electrical equipment).....	5-00.933

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**RELATED CIVILIAN EMPLOYMENT****Dictionary of  
Occupational  
Titles - Codes**

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ELECTRICAL ASSEMBLER (refrigerator & refrigerating & ice-making equipment).....	5-00.511
ELECTRICAL-INSTRUMENT REPAIRMAN (any industry).....	5-83.975
ELECTRICIAN, AUTOMOTIVE (automotive services).....	5-81.420
FINAL TESTER (electrical equipment).....	4-99.432
SIGNAL-SERVICE REPAIRMAN (railroad transportation).....	5-79.170
TRANSMISSION MAN (motion picture).....	5-56.040

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**RELATED FIELDS OF WORK**

Electrical Wiring and Related.....	4-X6.181
Electrical Repairing.....	4-X6.18

# TEXTILE REFITTER (ARMY TRADE GROUPS C and B)

Repairs sheets, blankets, tents, waterproof fabrics, upholstery and leather goods: does simple patching on tents and tarpaulins and treats fabric with preserving materials; splices and whips ends of rope; removes and replaces eyelets and grommets; repairs or replaces sections and metal parts of web equipment; makes patterns for and measures size of seat upholstery in station wagons and trucks; cuts and stitches material; repairs and replaces upholstery, using old material as a pattern; builds up springs of station wagon or truck upholstery; replaces celluloid and fasteners on side curtains; replaces fabric tops of vehicles; lays battleship linoleum; makes pattern, cuts material and finishes cushions for vehicles.

Must have a thorough knowledge of textile materials and leather.

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## RELATED CIVILIAN EMPLOYMENT

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**Dictionary of  
Occupational  
Titles - Codes**

### I Occupations not requiring additional training:

AUTOMOBILE UPHOLSTERER (automotive services).....	4-35.610
AWNING FINISHER (canvas goods, flags & banners).....	6-27.812
AWNING MAKER (canvas goods, flags & banners).....	6-27.811
CANVAS-COVER REPAIRMAN (any industry).....	6-27.814
CANVAS WORKER (canvas goods, flags & banners; ship & boat building & repairing).....	4-27.811
CUSHION BUILDER (automobile manufacturing).....	6-35.130
LINOLEUM LAYER (construction; retail trade).....	7-59.230
SEWING-MACHINE OPERATOR (canvas goods, flags & banners).....	6-27.504
UPHOLSTERY CUTTER (furniture; retail trade).....	4-35.120

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### II Occupations requiring brief additional training to learn to operate sewing-machine to stitch fabric, leather and related materials:

BACK-STAY STITCHER (boot & shoe).....	4-61.211
CARPET SEWER (retail trade).....	6-25.420
CASKET LINER (morticians' goods).....	6-35.820
CHAIR UPHOLSTERER (furniture).....	6-35.110
HIGH-MACHINE OPERATOR (hat & cap).....	6-24.231
MATTRESS-SPRING ENCASER (mattress & bedspring).....	6-36.422
RUG REPAIRER (cleaning, dyeing, & pressing).....	4-27.374
SAIL FINISHER (canvas goods, flags & banners).....	4-27.812

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### III Occupations requiring additional training to learn techniques of laying out and cutting fabric, fur, leather and related materials:

CARPET CUTTER (retail trade).....	7-59.240
CUTTER, HAND (garment).....	4-27.041
CUTTER, HAND (leather manufacturing).....	4-59.032
FUR CUTTER (fur goods; retail trade).....	4-21.210
LINOLEUM CUTTER (furniture).....	6-36.760
LUGGAGE MAKER (leather products).....	4-62.030
SAIL LAY-OUT MAN (canvas goods, flags & banners).....	4-27.813
UPHOLSTERY CUTTER (furniture; retail trade).....	4-35.120

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## RELATED FIELDS OF WORK

Bench Work, Fabric, Leather and Related.....	4-X6.35
Bench Work, Fabric, Leather and Related.....	6-X4.35

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For additional information see EQUIPMENT REPAIRER (ARMY TRADE GROUP C).



## TINSMITH (ARMY TRADE GROUPS C and B)

Makes and repairs oil, gasoline, and water cans, boxes, funnels and stove pipes; cleans metal surfaces; lays out patterns on metal; marks with dividers and squares according to blueprint specifications; cuts out desired shape with hand shears or metal saws; rolls, shapes, or bends metal to desired form; places parts together and solders, seams, welds or rivets joints; rolls or crimps seams using gravers to set seam; wires top edges with burring machine; re-tins metal; bends exhaust pipes; beats out dents and patches holes in vehicle fenders and bodies; removes stains from tinplate; repairs engine radiators; repairs and renews gasoline tanks and pipes, manifolds, air cleaners and silencers; brazes ferrous and nonferrous metals.

Must be able to lay out angles and know various metals. Should be able to use oxyacetylene welding equipment. Must have knowledge of mathematics and elementary metallurgy.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

RADIATOR-CORE REPAIRMAN (automobile manufacturing).....	7-02.014
RIVETER, HAND (furniture).....	6-36.840
SEAMING-MACHINE OPERATOR (tin can & other tinware).....	6-93.072
SHEET-METAL-FABRICATING-MACHINE OPERATOR (sheet metal work).....	6-94.202
SHEET-METAL WORKER (any industry).....	4-81.010
SOLDER PADDLER (automotive services).....	7-81.540
SOLDERER (any industry).....	6-95.001
TINSMITH (sheet metal work).....	4-81.010

#### II Occupations requiring brief additional training in inspecting and testing sheet metal parts and in the use of precision measuring devices; or in specialized sheet metal work, such as making templates and all-around metal work requiring specialized working methods

AUTOMOBILE-BODY REPAIRMAN, METAL (automotive services)	5-81.510
COPPERSMITH (ship & boat building & repairing).....	4-80.080
PANEL MAKER (railroad locomotive & car building & repairing).....	4-80.910
SHEET-METAL LAY-OUT MAN (sheet metal work).....	4-80.020
SHEET-METAL WORKER (ship & boat building & repairing).....	4-88.622
SHEET-METAL WORKER, AIRCRAFT (aircraft manufacturing).....	4-80.060
TEMPLATE WORKER, STRUCTURAL STEEL (structural & ornamental metal work).....	4-84.630

#### III Occupations requiring additional training in methods used for all-around fabrication, lay-out, and forming of heavy structural plate; or considerable training in techniques used in laying-out and lofting:

BOATBUILDER, STEEL (ship & boat building & repairing).....	4-80.070
BOILERMAKER (boilermaking).....	4-83.100
BOILER-SHOP MECHANIC (boilermaking).....	4-83.400
HANGERMAN (ship & boat building & repairing).....	5-30.020
IRONWORKER, SHOP (structural & ornamental metal work).....	4-84.610
METAL-TANK WORKER (construction).....	4-84.030
ORNAMENTAL-IRON WORKER (construction).....	4-84.020
SKIN MAN (air transportation; aircraft manufacturing).....	5-03.552

### RELATED FIELDS OF WORK

Sheet Metal Work (Shop).....	4-X6.313
Heavy Metal Structural Work.....	4-X6.211
Light Metal Structural Work.....	4-X6.213

## TOOLMAKER (ARMY TRADE GROUP C)

Under supervision, performs simple machine shop tasks: working from blueprints, lays out, cuts, sets up, shapes, turns, files, finishes, drills and taps metal; sharpens twist drills and cutting tools for machines; drills out and refits broken studs; does simple soldering; turns tapers, using compound rest; sets gears on lathe; cuts screw threads; adjusts and maintains tools and equipment of the trade.

Must understand lubrication and maintenance of line shafting and simple machine tools. Must have a knowledge of blueprint cross hatching for different metals and materials. Must know working properties of metals. Must recognize British and American threads. Must be able to do simple arithmetic, including fractions and decimals.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

MACHINIST HELPER (machine shop).....	8-78.10
TOOL-AND-DIE-MAKER APPRENTICE (machine shop).....	7-94.112
TOOL-AND-DIE-MAKER HELPER (machine shop).....	6-78.927
TOOL-MAKER APPRENTICE (machine shop).....	7-94.114
TOOL-MAKER HELPER (machine shop).....	8-78.10

#### II Occupations requiring brief on-the-job training to learn operation of machine, methods of setting up work, and use of measuring devices:

BORING-MACHINE OPERATOR, AUTOMATIC (machinery manufacturing).....	6-78.041
BROACHING-MACHINE OPERATOR (machine shop).....	6-78.051
CENTERING-MACHINE OPERATOR (machine shop).....	6-78.152
GEAR-TOOTH ROUNDER (machine shop).....	6-78.131
MULTIPLE-SPINDLE-DRILL-PRESS OPERATOR (machine shop).....	6-78.081
THREAD-MILLING-MACHINE OPERATOR (machine shop).....	6-78.143
TURRET-LATHE OPERATOR, AUTOMATIC (machine shop).....	6-78.021

#### III Occupations requiring additional training to learn methods of inspection and specifications of unit examined:

CASTING INSPECTOR (foundry).....	6-82.920
CORE CHECKER (foundry).....	6-82.210
CYLINDER TESTER (compressed and liquefied gases).....	6-78.671
GAGER (iron and steel).....	6-88.214
GAGER (machine shop).....	6-78.672
MEASURER (iron and steel).....	6-88.211
SHELL INSPECTOR (ammunition and related products).....	6-78.673

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### RELATED FIELDS OF WORK

Metal Working Machine Tending.....	6-X2.41
Metal Working Machine Operating.....	6-X4.41

## TOOLMAKER (ARMY TRADE GROUPS B and A)

In addition to the duties of Toolmaker (Group C), makes gauges, jigs, fixtures, dies and cutting tools; lays out work, sets up and operates various machine tools working to very close tolerances; does turning between centres on face plate, using a collet; turns internal and external tapers, using a taper attachment; fits and assembles bushings, jigs and gauges according to blueprints, performing such machining and grinding as is necessary to secure proper alignment and clearances; inspects and checks each piece with a variety of special measuring devices such as micrometers, calipers and dial test indicators; brazes and anneals as necessary; hardens and tempers forged tools.

Must know proper cutting lubricants for each metal. Must know classification of fits and proper tolerances, allowances and limits for each class of fit. Must know proper feeds and speeds for each metal on each type of machine. Must know effects of heat treating on iron and steel. Must know shop geometry and trigonometry. Must understand drawing conventions and notations.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

DIE MAKER (machine shop).....	4-76.010
LAY-OUT MAN (machine shop).....	4-75.145
MACHINIST (machine shop).....	4-75.010
MACHINIST, BENCH (machine shop).....	4-75.120
TOOL-AND-DIE MAKER (machine shop).....	4-76.040
TOOL MAKER (machine shop).....	4-76.210

#### II Occupations requiring brief on-the-job training to become familiar with methods of setting up machine tools or setting up dies in machines which may be unfamiliar; or training in techniques of pattern making; or training in methods of developmental lay-out work on flat sheets for forming operations:

DIE MAKER (jewelry).....	4-76.020
DIE SETTER (forging).....	4-76.120
JOB SETTER (machine shop).....	4-75.160
LAY-OUT MAN (boilermaking).....	4-83.200
PATTERN MAKER, METAL (foundry).....	5-17.010
SAMPLE-BODY BUILDER (automobile manufacturing).....	5-17.110
SHEET-METAL LAY-OUT MAN (sheet metal work).....	4-80.020

#### III Occupations requiring additional training in methods of calibrating, repairing and making parts for mechanical or electrical instruments which may or may not involve working with materials other than metal; or training in methods of installing and maintaining various machines in a plant or on a vessel:

INSTRUMENT MAKER (any industry).....	4-75.130
INSTRUMENT MAKER (electrical equipment).....	5-00.912
INSTRUMENT MAN (air transportation; aircraft manufacturing).....	5-83.972
INSTRUMENT REPAIRMAN (any industry).....	5-83.975
MACHINIST, MARINE GAS-ENGINE (ship & boat building & repairing).....	5-83.642
MACHINIST, OUTSIDE (ship & boat building & repairing).....	4-75.150
MAINTENANCE MECHANIC (any industry).....	5-83.641

### RELATED FIELDS OF WORK

All-Around Metal Machining.....	4-X2.010
Mechanical or Metal Unit Assembling and Related (Including Instrument Repair).....	4-X6.310

For additional information see TOOLMAKER (ARMY TRADE GROUP C).



## TRAFFIC OPERATOR (RAILWAY) (ARMY TRADE GROUPS C, B, and A)

Supervises side-tracking, switching and distribution of railway cars and trains on a military railroad; performs clerical duties such as writing reports on traffic matters and making out demands for men and equipment for working station; maintains records of location of railway cars, capacity of yards and sidings; prepares ordinary and graphical time tables.

Must have qualified as Blockman and Brakeman and Shunter. Must have knowledge of engine classes and loads. Must have knowledge of train control. Must have knowledge of rules and regulations governing operation of military railroad.

Traffic Operator (Railway) (Group A) must understand principles of interlocking and detection and be able to compile a locking table for simple frame of ten levers; must also be an expert train controller.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training:

BRAKEMAN, YARD (railroad transportation).....	7-38.020
GAMEWELL OPERATOR (governmental services).....	1-41.52
SCHEDULE MAKER (railroad transportation).....	1-11.11
SWITCHMAN (railroad transportation).....	5-44.010
TOWERMAN (IV) (railroad transportation).....	5-44.020
YARD CLERK (railroad transportation).....	1-11.12
YARDMASTER (railroad transportation).....	0-98.73

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#### II Occupations requiring brief additional training in methods of dispatching airplanes, barges, motor vehicles or railroad trains:

DISPATCHER, MOTOR VEHICLES (clerical & kindred).....	1-18.61
FLIGHT DISPATCHER (air transportation).....	1-19.01
FLOAT MASTER (water transportation).....	0-98.82
ROAD SUPERVISOR (motor vehicle transportation).....	5-49.201
STATION MASTER (railroad transportation).....	0-98.72
TRAFFIC INSPECTOR (railroad transportation).....	0-98.88
TRAFFIC MAN (bituminous coal mining; metal mining).....	0-98.76
TRAIN DISPATCHER (railroad transportation).....	0-98.75

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#### III Occupations requiring considerable additional training in planning and supervising operations at airport, dock or railroad, or at bus or truck terminals:

MANAGER, OPERATIONS (air transportation; motor vehicle transportation; railroad transportation; water transportation).....	0-98.83
MANAGER, TRAFFIC (IV) (motor vehicle transportation).....	0-98.91
SUPERINTENDENT, AIRPORT (air transportation).....	0-98.81
SUPERINTENDENT, DIVISION (motor vehicle transportation; railroad transportation).....	0-98.94
SUPERINTENDENT, PIER (water transportation).....	0-98.93
SUPERINTENDENT, TERMINAL (water transportation).....	0-98.84
SUPERVISOR, TERMINAL (motor vehicle transportation).....	0-98.90

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### RELATED FIELDS OF WORK

Hauling Machine Operating.....	4-X2.492
Managerial Work, Transportation and Miscellaneous Services.....	0-X8.49

## TURNER (ARMY TRADE GROUPS C and B)

Makes by hand and machine all types of metal cutting tools, jigs and fixtures: sets up machine according to blueprint specifications; cuts metal to size in power hack-saw; uses special attachments on lathe to hone, lap or grind any tool to required tolerance; checks dimensions of metal with micrometers and calipers; drills holes as required with a drill press; sharpens tool bits on grinder.

Must be able to distinguish between different metals. Must know proper feed and speed for turning various metals and the proper cutting lubricants for each metal. Should know the effects of heat treatment on iron and steel. Must understand arithmetic and be able to read blueprints.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

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#### **I Occupations requiring brief on-the-job training to become familiar with the operation of metalworking machines:**

DRILL SHARPENER (machine shop) .....	5-84.110
ENGINE-LATHE OPERATOR (machine shop) .....	4-78.011
HONING-MACHINE OPERATOR (machine shop) .....	4-78.411
LATHE OPERATOR, AUTOMATIC (automobile manufacturing) .....	6-78.164
SINGLE-SPINDLE-DRILL-PRESS OPERATOR (machine shop) .....	6-78.083
SPEED-LATHE OPERATOR (machine shop) .....	4-78.012
TURRET-LATHE OPERATOR (machine shop) .....	4-78.021

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#### **II Occupations requiring brief additional training to learn to set up and operate other machine tools to cut metal; or to lay out and plan work:**

CYLINDRICAL-GRINDER OPERATOR (machine shop) .....	4-78.511
FILER, MACHINE (machine tools and accessories) .....	4-78.291
INTERNAL-GRINDER OPERATOR (machine shop) .....	4-78.512
LAY-OUT MAN (boilermaking) .....	4-83.200
LAY-OUT MAN (foundry) .....	4-75.140
LAY-OUT MAN (ship & boat building & repairing) .....	5-05.530
MILLING-MACHINE OPERATOR (machine shop) .....	4-78.031
PROFILING-MACHINE OPERATOR (machine shop) .....	4-78.111

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#### **III Occupations requiring considerable additional training in the construction, repair and maintenance of various types of tools and dies used in machine shops; or training in the inspection of tools:**

DIE MAKER (jewelry) .....	4-76.020
DIE MAKER (machine shop) .....	4-76.010
INSPECTOR (machine shop) .....	4-78.671
INSTRUMENT MAKER (any industry) .....	4-75.130
JOB SETTER (machine shop) .....	4-75.160
MACHINIST (machine shop) .....	4-75.010
MOLD SETTER (fabricated plastic products) .....	4-76.125
TOOL INSPECTOR (machine shop) .....	4-76.220
TOOL MAKER (machine shop) .....	4-76.210
TOOL-AND-DIE MAKER (machine shop) .....	4-76.040

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### RELATED FIELDS OF WORK

Metal Turning .....	6-X2.411
Metal Precision Grinding .....	4-X2.015
Metal Grinding (Material Fixture-Held) .....	6-X2.415

TYPEWRITER MECHANIC (ARMY TRADE GROUPS C and B)

Services all types and makes of standard typewriters: cleans, oils and repairs, using regulation hand tools and tools designed specifically for typewriter repair; adjusts ribbon movement, back spacer and corrects tension on carriage and key levers. The Typewriter Mechanic (Group B) may operate a typewriter repair shop.

RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

I Occupations requiring brief on-the-job training to become familiar with methods of repairing office machines other than typewriters:

ACCOUNTING-MACHINE SERVICEMAN (any industry).....	5-83.121
ADDING-MACHINE SERVICEMAN (any industry).....	5-83.122
CALCULATING-MACHINE SERVICEMAN (any industry).....	5-83.123
CASH-REGISTER SERVICEMAN (any industry).....	5-83.124
DUPLICATING-MACHINE SERVICEMAN (any industry).....	5-83.125
OFFICE-MACHINE SERVICEMAN (any industry).....	5-83.111
STATISTICAL-MACHINE SERVICEMAN (any industry).....	5-83.126
TYPEWRITER SERVICEMAN (any industry).....	5-83.127

II Occupations requiring brief training in the repair of small mechanical units such as cameras and meters; or to learn to make simple electrical repairs:

CAMERA REPAIRMAN (any industry).....	5-83.901
GAS-METER REPAIRMAN (light, heat, & power).....	5-83.461
GAS SERVICEMAN (light, heat, & power).....	5-83.947
METER REPAIRMAN (petroleum & natural gas production).....	5-83.465
TELEGRAPHIC-TYPEWRITER REPAIRMAN (telephone & telegraph).....	5-53.270
VACUUM-CLEANER REPAIRMAN (any industry).....	5-83.011
WATER-METER REPAIRMAN (waterworks).....	5-83.471

III Occupations requiring considerable training to learn to assemble and repair intricate mechanisms such as precision instruments; and to use various hand and machine tools:

GUNSMITH (any industry).....	5-83.542
INSTRUMENT MAKER (electrical equipment).....	5-00.912
INSTRUMENT MAKER (any industry).....	4-75.130
INSTRUMENT MAKER (optical goods).....	5-08.066
INSTRUMENT MAN (instruments & apparatus).....	7-83.920
INSTRUMENT REPAIRMAN (petroleum refining).....	5-83.971
LOCKSMITH (any industry).....	5-83.551

RELATED FIELDS OF WORK

Electrical Unit Assembling (Including Instrument Repair).....	4-X6.308
Mechanical or Metal Unit Assembling (Including Instrument Repair)....	4-X6.310
Office Machine Repairing.....	4-X2.106



## UNIT PROJECTIONIST (NON-TRADE SPECIALIST)

Operates and maintains film projection equipment: attaches projection equipment to power source by cable; loads machine by threading film from reel on upper spindle to reel on lower spindle; starts motor and turns on projection lamp; centres and focuses image on screen; transfers operation from one machine to another without interrupting smooth flow of action upon the screen; inspects films on a rewinding device; cleans, oils and makes minor repairs to equipment, replacing such parts as projection lamp, belts, sprocket wheels; keeps correct and up-to-date information concerning silent and sound film projectors in the Army Log Book.

Must have some mechanical ability.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations requiring brief on-the-job training:

CAMERA CLERK (motion picture).....	1-38.01
COIL TAPER, MACHINE (electrical equipment).....	6-99.120
FILM INSPECTOR (motion picture).....	7-86.040
FILM SPLICER (motion picture).....	7-86.060
FILM SPOOLER (photographic apparatus & materials).....	7-09.341
MOTION-PICTURE PROJECTIONIST (amusement & recreation; motion picture).....	5-55.010
PLAY-BACK MAN (motion picture).....	7-56.010

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#### II Occupations requiring brief additional training in assembling, inspecting, or repairing projectors or related mechanical devices:

CAMERA ASSEMBLER (photographic apparatus & materials).....	7-09.328
CAMERA INSPECTOR (photographic apparatus & materials).....	7-09.330
CAMERA REPAIRMAN (any industry).....	5-83.901
CAMERAMAN ASSISTANT (motion picture).....	0-56.43
LOUDSPEAKER TEST-MAN (radio manufacturing).....	6-98.130
MOTION-PICTURE CAMERA AND EQUIPMENT INSPECTOR.....	
(photographic apparatus & materials).....	7-09.301
PHOTOPHONE ASSEMBLER (radio manufacturing).....	6-98.170
PROJECTOR ASSEMBLER (photographic apparatus & materials).....	7-09.327

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#### III Occupations requiring considerable additional training in the operation and adjustment of film-printing or recording machines, or of radio equipment used to transmit and receive photos; or in the use of precision hand and machine tools; or in techniques of photography; or in operation of X-ray machine to examine boiler welds:

CAMERAMAN; <i>Photographer</i> (printing & publishing).....	0-56.31
FILM PRINTER (motion picture).....	5-86.030
FILM RECORDIST (motion picture).....	0-66.13
LIBRARIAN (motion picture).....	1-20.03
MACHINIST, CAMERA (motion picture).....	5-83.901
PHOTORADIO OPERATOR (radio broadcasting).....	0-61.70
X-RAY TECHNICIAN (boilermaking).....	0-50.40

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### RELATED FIELDS OF WORK

Mechanical or Metal Unit Assembling.....	6-X4.310
Miscellaneous Machine Tending (n.e.c.).....	6-X2.409
Technical Control Work (Inspecting, Testing and Machine Operating, n.e.c.).....	0-X7.49

# VEHICLE MECHANIC (A.F.V.) (ARMY TRADE GROUP C)

## VEHICLE MECHANIC (M.V.) (ARMY TRADE GROUP C)

Under supervision, drives and makes limited repairs to vehicles and tanks; carries out all normal running maintenance; removes and replaces simple assemblies and sub-assemblies; makes simple adjustments and tune-ups such as grinding valves, fitting new rings, overhauling spark plugs, to I.C. engines; cleans and lubricates vehicle and component parts; diagnoses faults in ignition, starting and lighting systems and executes simple improvised repairs in absence of spares; cares for and maintains batteries; does simple riveting, soldering and brazing; bends and anneals copper tubing. Vehicle Mechanic (A.F.V.) is more familiar with the operation of tracked vehicles.

Must be skilled at using vehicle mechanics' hand tools. Must have fundamental knowledge of vehicle components. Must know different types of lubricants and their uses.

RELATED CIVILIAN EMPLOYMENT	Dictionary of Occupational Titles - Codes
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### I Occupations not requiring additional training:

AUTOMOBILE-MECHANIC APPRENTICE (automotive services).....	7-99.060
AUTOMOBILE-MECHANIC HELPER (automotive services).....	7-81.010
AUTOMOBILE-SERVICE-STATION ATTENDANT (automotive services).....	7-60.500
CARBURETOR MAN (automotive services).....	7-81.610
GREASER (automotive services).....	7-85.010
HEAVY REPAIRMAN (automobile manufacturing).....	7-81.640
LIGHT REPAIRMAN (automobile manufacturing).....	7-81.650
TIRE CHANGER (automotive services).....	7-85.050

### II Occupations requiring brief training to become familiar with driving various vehicles and related duties of job:

BULLDOZER OPERATOR (construction).....	7-23.030
DRIVER (automobile manufacturing).....	7-36.030
MOTORCYCLE DRIVER, DELIVERY (any industry).....	7-35.200
ROUTEMAN; <i>Driver Salesman</i> (any industry).....	7-35.100
TRACTOR OPERATOR (any industry).....	7-36.510
TRACTOR-TRUCK DRIVER (any industry).....	7-36.240
TRUCK DRIVER, HEAVY (any industry).....	7-36.250
VAN DRIVER (motor vehicle transportation).....	7-36.251

### III Occupations requiring additional training to learn to operate cranes, power shovels and other equipment powered by gasoline motors:

GASOLINE-CATERPILLAR-CRANE OPERATOR (any industry).....	5-73.050
GASOLINE-DRAGLINE OPERATOR (any industry).....	5-73.320
GASOLINE-HOISTING ENGINEER (any industry).....	5-73.520
GASOLINE-LOCOMOTIVE-CRANE OPERATOR (any industry).....	5-73.060
GASOLINE-TRUCK-CRANE OPERATOR (any industry).....	5-73.070
LOCOMOTIVE ENGINEER, GASOLINE (any industry).....	5-41.070
POWER-SHOVEL OPERATOR (any industry).....	5-73.210

### RELATED FIELDS OF WORK

Combustion Engine Repairing.....	4-X2.103
Hauling Machine Operating.....	4-X2.492
Hauling Machine Operating.....	6-X2.492

# VEHICLE MECHANIC (A.F.V.) (ARMY TRADE GROUPS B and A)

# VEHICLE MECHANIC (M.V.) (ARMY TRADE GROUPS B and A)

In addition to the duties of Vehicle Mechanic (Group C), operates, repairs and recovers all types of vehicles: reads and works to blueprints; determines troubles and faults in poorly functioning engines; inspects and reports on serviceability of worn components, using Vernier and micrometer gauges; makes adjustments to all component parts and assemblies; inspects worn or damaged vehicles and estimates repairs necessary. Vehicle Mechanic (A.F.V.) is more familiar with the operation of tracked vehicles.

Must have a thorough knowledge of operation of all vehicles. Should have had from three to five years experience as a mechanic.

## RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

### I Occupations not requiring additional training:

AUTOMOBILE MECHANIC (automotive services).....	5-81.010
AUTOMOBILE MECHANIC, MOTOR (automobile manufacturing).....	5-81.610
AUTOMOBILE-REPAIR SERVICEMAN (automotive services).....	5-81.910
ELECTRICIAN, AUTOMOTIVE (automotive services).....	5-81.420
MOTOR ANALYST (automotive services).....	5-81.620
MOTOR AND CHASSIS INSPECTOR (automobile manufacturing).....	5-81.630
MOTORCYCLE REPAIRMAN (automotive services).....	5-81.020

### II Occupations requiring brief additional training to develop familiarity with types of engines, mechanisms, and methods of repairing other types of transportation equipment:

AIRCRAFT MECHANIC (air transportation).....	5-80.120
AIRPLANE MECHANIC (air transportation; aircraft manufacturing)....	5-80.100
BUS MECHANIC (automotive services).....	5-81.035
CONSTRUCTION-EQUIPMENT MECHANIC (any industry).....	5-83.641
FARM MECHANIC (agriculture).....	3-35.10
MOTORBOAT MECHANIC (any industry).....	5-83.643
TRUCK MECHANIC (automotive services).....	5-81.030

### III Occupations requiring considerable additional training to learn to install, maintain and repair internal combustion engines other than gasoline; or to learn to repair and maintain various types of electrical equipment:

ENGINEER (water transportation).....	0-88.24
ENGINEER, CHIEF, MARINE (water transportation).....	0-88.21
MACHINIST, MARINE GAS-ENGINE (ship & boat building & repairing).....	5-83.642
MACHINIST, OUTSIDE (ship & boat building & repairing).....	4-75.150
REFRIGERATING ENGINEER (any industry).....	5-72.310
REFRIGERATION MECHANIC (any industry).....	5-83.941

## RELATED FIELDS OF WORK

All-Around Mechanical Repairing.....	4-X2.100
Combustion Engine Repairing.....	4-X2.103
Engine and Pump Maintenance and Repair.....	4-X2.102

For additional information see VEHICLE MECHANIC (A.F.V.) and VEHICLE MECHANIC (M.V.) (ARMY TRADE GROUP C).



## WARDMASTER (ARMY TRADE GROUP C)

Performs routine tasks in care of hospital patients: takes temperatures, pulse and respiration rates; does simple dressings; prepares mustard plasters and poultices; administers throat and bladder irrigations, inhalations, gargles, catheterizations, enemata and hypodermics; does all types of bed-making; cleans wards and lavatories; cares for sick room utensils, furniture and infected linen and bedding; operates sterilizers; prepares patients for surgery.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>		
ATTENDANT, OCCUPATIONAL THERAPY (medical services).....	2-42.33	
CAN WASHER, MACHINE (dairy products; ice cream).....	6-06.750	
FIRST-AID ATTENDANT (any industry).....	2-38.10	
NURSE, AIDE (medical services).....	2-42.20	
ORDERLY (medical services).....	2-42.10	
SANITARY MAN (dairy products).....	6-06.740	
STERILIZER (bakery products; dairy products).....	8-02.10	
STEWARD, CLUB (water transportation).....	2-28.12	
TEMPERATURE MAN (dairy products).....	6-06.730	
WAITER, INFORMAL (hotel & restaurant).....	2-27.11	
<b>II Occupations requiring brief additional training in massaging and other personal services:</b>		
ATHLETIC TRAINER (professional & kindred).....	0-57.31	
ASYLUM ATTENDANT (medical services).....	2-42.30	
HOT-ROOM ATTENDANT (personal service).....	2-43.23	
NURSE, PRACTICAL (medical services).....	2-38.20	
PHYSICIAN'S ASSISTANT (medical services).....	1-32.20	
TURKISH RUBBER (personal service).....	2-43.22	
<b>III Occupations requiring considerable additional training in service supervision, sanitation inspection, first-aid instruction, laboratory testing, or nursing:</b>		
LABORATORY TESTER (canning & preserving).....	0-50.25	
MEDICAL TECHNICIAN (medical services).....	0-50.01	
PORTER, HEAD (hotel & restaurant).....	2-92.20	
SANITARY INSPECTOR; <i>Public Health Inspector</i> (governmental services).....	0-95.16	
NURSE, MALE (medical services).....	0-33.10	
TEACHER, FIRST AID (education & instruction).....	0-32.91	
WAITER, HEAD (hotel & restaurant).....	2-27.01	
<b>RELATED FIELDS OF WORK</b>		
Adult Care.....	2-X5.6	
Nursing and Medical Work.....	0-X7.02	
Biochemical Work (n.e.c.).....	0-X7.03	

## WARDMASTER (ARMY TRADE GROUP B)

In addition to duties of Wardmaster (Group C), directs, supervises and organizes work of orderlies; correlates work of orderlies and nurses; gives lectures on ward work and first-aid to orderlies; supervises patients' diets; supervises Medical Inspection Room and organizes unit's Sick Parade; admits patients; reports seriously ill patients; takes necessary action in case of deaths.

Must have served for at least three months as operating room orderly. Must have knowledge of stores accounting and hospital organization.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

DIETICIAN, JUNIOR (hotel & restaurant).....	2-25.42
NURSE, PRACTICAL (medical services).....	2-38.20
PHYSICIAN'S ASSISTANT (medical services).....	1-32.20
SANITARY INSPECTOR; <i>Public Health Inspector</i> (governmental services).....	0-95.16
STOCK SUPERVISOR (retail trade).....	5-97.620
SURGICAL ORDERLY (medical services).....	2-42.10
TEACHER, FIRST AID (education & instruction).....	0-32.91

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#### II Occupations requiring brief additional training in stock-record keeping; or in nursing; or in supervising service in hotels or restaurants; or in supervising operation of apartment or office buildings:

COUNTER SUPERVISOR (hotel & restaurant).....	2-25.16
MASSEUR (personal service).....	0-52.41
STOCK-CONTROL CLERK (clerical & kindred).....	1-38.04
SUPERINTENDENT, BUILDING (any industry).....	0-87.10
SUPERINTENDENT, SERVICE (hotel & restaurant).....	2-25.11
WAITER, HEAD (hotel & restaurant).....	2-27.01

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#### III Occupations requiring considerable additional training in social and welfare work; or in nursing or laboratory work; or in operation of therapeutic apparatus:

COUNSELLOR, CAMP (amusement & recreation).....	0-27.40
DIRECTOR, PLAYGROUND (professional & kindred).....	0-27.06
ELECTROTHERAPIST (personal service).....	0-52.S1
HYDROTHERAPIST (personal service).....	0-52.S2
INSTRUCTOR, PHYSICAL (education & instruction).....	0-57.41
MEDICAL TECHNICIAN (medical services).....	0-50.01
NURSE, MALE (medical services).....	0-33.10

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### RELATED FIELDS OF WORK

Adult Care.....	2-X5.6
Nursing and Medical Work.....	0-X7.02

## WATCHMAKER (ARMY TRADE GROUP C)

Cleans and makes minor repairs to general service watches; strips down, cleans and reassembles watches; recoils flat hair springs; selects and fits main springs; makes pins with pin vise and file.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

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#### I Occupations requiring brief on-the-job training to become familiar with industrial methods of manufacturing watches:

HAIRSPRING TRUER (clocks, watches, & allied products).....	6-72.230
SPRING LAYER (clocks, watches, & allied products).....	6-72.098
STEM FITTER (clocks, watches, & allied products).....	6-72.113
STONER (clocks, watches, & allied products).....	6-72.296
STUD HAIRSPRINGER (clocks, watches, & allied products).....	6-72.115
WHEEL TRIMMER (clocks, watches, & allied products).....	6-72.031

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#### II Occupations requiring brief training in techniques of assembling, fitting or repairing mechanical units:

ALINER (typewriters & parts).....	6-94.431
BENCH ASSEMBLER (machine shop).....	6-78.632
FLOOR ASSEMBLER (machine shop).....	6-78.632
INSTRUMENT-MAN HELPER (aircraft manufacturing).....	9-03.01
LOCKSMITH (any industry).....	5-83.551
SPEEDOMETER REPAIRMAN (automotive services).....	7-81.910
TENSION-SPRING WINDER (radio manufacturing).....	8-98.01

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#### III Occupations requiring additional training to learn industrial methods of repairing, adjusting and balancing timepieces; or to learn the use of a machine for making watch parts:

CASER (clocks, watches, & allied products).....	4-72.111
DAMASCENER (clocks, watches, & allied products).....	4-72.014
TIMER (clocks, watches, & allied products).....	4-72.212
TRAINER (clocks, watches, & allied products).....	4-72.112
UNDERTURNER (clocks, watches, & allied products).....	4-72.012
WHEEL CUTTER (clocks, watches, & allied products).....	4-72.013

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### RELATED FIELDS OF WORK

Bench Work (Assorted Materials).....	6-X4.30
Mechanical or Metal Unit Assembling and Related (Including Instrument Repair).....	4-X6.310
Miscellaneous Bench Crafts.....	4-X6.309



## WATCHMAKER (ARMY TRADE GROUP B)

In addition to duties of Watchmaker (Group C), repairs and rebuilds service watches, using watchmakers' tools: turns and fits balance staffs; sets jewels and stones; makes settings and fits pallet stones; fits flat and brequet springs and times them; makes turning tools, screwdrivers, etc. May maintain and repair special measuring instruments such as ammeters, voltmeters and barometers.

Must have a good knowledge of escapements, chronographs and stop watches.

RELATED CIVILIAN EMPLOYMENT		Dictionary of Occupational Titles - Codes
<b>I Occupations not requiring additional training:</b>		
CLOCKMAKER (any industry).....		4-71.510
ELECTRICAL-INSTRUMENT REPAIRMAN (any industry).....		5-83.975
INSTRUMENT MAKER (electrical equipment).....		5-00.912
TIME-CLOCK REPAIRMAN (any industry).....		4-71.510
WATCHMAKER (any industry).....		4-71.510
<b>II Occupations requiring brief training to learn to operate various types of lathes for fabricating, grinding, polishing and finishing metal or wooden parts:</b>		
FINISHER (jewelry).....		4-72.511
JEWEL-BEARING MAKER (jewelry).....		4-71.250
SPEED-LATHE OPERATOR (machine shop).....		4-78.012
SPINNER (furniture; machine shop).....		4-94.201
SPINNER (jewelry).....		4-72.317
TOOL GRINDER (any industry).....		5-84.120
WOOD TURNER; <i>Wood Lathe Operator</i> (woodworking).....		4-33.363
<b>III Occupations requiring considerable additional training to learn to construct, test and repair highly sensitive instruments; or to inspect and test machined parts:</b>		
ALL-AROUND INSPECTOR (agricultural equipment).....		4-94.341
INSPECTOR (machine shop).....		4-78.671
JEWELER (instruments & apparatus).....		4-75.130
MACHINE-PARTS INSPECTOR (agricultural equipment).....		4-94.343
SALVAGE INSPECTOR (railroad locomotive & car building & repairing).....		5-79.040
TOOL INSPECTOR (machine shop).....		7-76.220
YARD INSPECTOR (ship & boat building & repairing).....		5-05.512
<b>RELATED FIELDS OF WORK</b>		
Bench Work, Assorted Materials.....		6-X4.30
Mechanical or Metal Unit Assembling and Related (Including Instrument Repair).....		4-X6.310
Miscellaneous Bench Crafts.....		4-X6.309

For additional information see WATCHMAKER (ARMY TRADE GROUP C).

## WATERMAN (BOATMAN) (ARMY TRADE GROUP C)

Handles small water craft and acts as boatman or dockman on larger craft: handles motorboat, punt, barge, and takes charge of rowboat with crew; takes soundings with lead lines; lays and coils cables and carries out mousing, whipping and seizing operations; makes all knots, bends, hitches, and long, short and eye splices.

Must know rules of roads for steam, sailing and rowing craft. Should know use of kedges and size of anchors for various craft.

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### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

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#### I Occupations not requiring additional training:

DECKHAND (water transportation).....	9-48.10
DOCKMAN (water transportation).....	9-47.20
MOTORBOAT OPERATOR (any industry).....	7-49.101
ORDINARY SEAMAN (water transportation).....	7-48.040
ROPE SLICER (any industry).....	7-89.061
SAILOR, PLEASURE CRAFT (water transportation).....	7-49.102
SEAMAN APPRENTICE, ENGINEERING DEPARTMENT (water transportation).....	7-71.120
SOUNDER (any industry).....	7-89.911

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#### II Occupations requiring considerable additional training to learn duties aboard ferryboat, tugboat or dredge:

ABLE SEAMAN (water transportation).....	5-48.040
BOATSWAIN (water transportation).....	5-48.030
DREDGE MATE (construction).....	0-88.12
FERRYBOAT OPERATOR, CABLE (water transportation).....	5-49.101
QUARTERMASTER (water transportation).....	5-48.020
TUGBOAT ENGINEER (water transportation).....	0-88.23
TUGBOAT MATE (water transportation).....	0-88.03

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### RELATED FIELDS OF WORK

Navigation Work.....	3-X8.70
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## WELDER (ACETYLENE) (ARMY TRADE GROUPS C and B)

Fuses (welds) or cuts with acetylene torch and welding rods, metal parts to fabricate or repair metal articles: lays out metal; connects torch to hose and hose to regulators on tanks of oxygen and acetylene; screws welding tip of suitable size into torch, lights torch, opens and adjusts valves to produce a neutral flame; holds flame against metal, at the same time applying a metal rod to molten area to supply excess of metal needed to make sound and neat butt, lap or fillet welds; prepares armour plate for repair by cutting around penetration; maintains welder's tools. May pre-heat parts with torch before welding. May assemble temporary furnace in the field.

Must have a practical knowledge of methods of pre-heating and slow cooling and a working knowledge of control of expansion and contraction of metals for fusion welding or bronze welding. Must be able to estimate the quantities of material required and fabrication time involved in doing both repair and new work. Must be able to identify metals and read blueprints, drawings and sketches.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

BRAZER (any industry).....	4-85.310
MATERIAL RECLAIMER (petroleum refining).....	6-85.210
SCRAP BURNER (foundry).....	6-85.215
SOLDERER, TORCH (automobile manufacturing).....	7-02.015
STRIPPER, ACETYLENE (foundry).....	6-85.215
WELDER, ACETYLENE (any industry).....	4-85.020
WELDER, RAIL (locomotive & car building & repairing; railroad transportation).....	4-85.020

#### II Occupations requiring brief additional training in specific type of welding and cutting; or in techniques of inspecting welded parts:

ARC CUTTER (any industry).....	6-85.280
BONDER (bituminous coal mining; metal mining).....	6-85.110
FLAME-CUTTING-MACHINE OPERATOR (any industry).....	6-85.240
METAL-TANK WORKER (construction).....	4-84.040
UNIONMELT OPERATOR (ship & boat building & repairing).....	4-85.080
WELDER, ARC (any industry).....	4-85.020
WELDER, ATOMIC (any industry).....	4-85.060
WELDER, COMBINATION (any industry).....	4-85.040
WELDER, TACK (any industry).....	6-85.080
WELDING INSPECTOR (any industry).....	4-85.070
WELDING TESTER (ship & boat building & repairing).....	4-85.020
X-RAY TECHNICIAN; <i>X-Ray Inspector</i> (boilermaking).....	0-50.40

#### III Occupations requiring considerable additional training to learn to fabricate, assemble or repair sheet metal; or in techniques of instructing:

BOILERMAKER (boilermaking).....	4-83.100
CAR BUILDER (bituminous coal mining).....	4-86.010
GAS-WELDING-EQUIPMENT REPAIRMAN (any industry).....	5-83.641
INSTRUCTOR, WELDING (education & instruction).....	0-32.30
LEAD BURNER (construction; petroleum refining; ship & boat building & repairing).....	4-95.031
ORNAMENTAL-IRON WORKER (construction).....	4-84.020
SHEET-METAL WORKER, AIRCRAFT (aircraft manufacturing).....	4-80.060
WELDER FOREMAN, COMBINATION (any industry).....	4-85.040

### RELATED FIELDS OF WORK

Arc Welding.....	4-X6.281
Bench Welding (Small Parts).....	6-X4.318
Gas Welding.....	4-X6.283



## WELDER (ELECTRIC) (ARMY TRADE GROUPS C and B)

Welds metal parts, using electric arc welding equipment: reads drawings, blueprints and sketches; plans, lays out and marks work to be done; starts motor generator; connects ground cable; places welding rod in holder; makes butt, lap, and fillet welds in steel plate, armour plate, bronze or aluminum castings or cast iron; cuts plate up to one inch in thickness; repairs armour plate (overlaid or inlaid patches or filling of holes); makes horizontal and vertical welds; maintains equipment in good condition. The Welder (Electric) (Group B) estimates equipment and materials necessary and time required for specific project.

Should have working knowledge of control of expansion and contraction of metals, preparation and properties of mild steel and cast iron. Must know precautions to be observed in welding tanks which have contained explosive materials or vapours, or in welding medium carbon and alloy steel, armour plate, bronze castings or aluminum castings. Should have working knowledge of speed controls and methods of adjusting these controls for gasoline-driven electric welding sets. Must understand the hard surfacing of wear resisting parts and tool tipping.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

ARC CUTTER (any industry).....	6-85.280
BONDER (bituminous coal mining; metal mining).....	6-85.110
FLAME-CUTTING-MACHINE OPERATOR (any industry).....	6-85.240
HEATER (ship & boat building & repairing).....	6-85.230
WELDER, ARC (any industry).....	4-85.020
WELDER, BAR (any industry).....	6-85.010
WELDER, BUTT (any industry).....	6-85.020

#### II Occupations requiring brief training in use of unfamiliar types of hand and machine welding equipment; or in methods of brazing or lead burning:

BRAZER (any industry).....	4-85.310
FLAME-CUTTER OPERATOR (any industry).....	6-85.215
LEAD BURNER (any industry).....	4-95.031
UNIONMELT OPERATOR (any industry).....	4-85.080
WELDER, ATOMIC (any industry).....	4-85.060
WELDER, ACETYLENE (any industry).....	4-85.030
WELDER, COMBINATION (any industry).....	4-85.040

#### III Occupations requiring additional training in methods of repairing gas welding equipment; or in techniques of instructing welders; or in methods of inspecting welded joints; or in pneumatic riveting:

GAS-WELDING-EQUIPMENT REPAIRMAN (any industry).....	5-83.641
INSTRUCTOR, WELDING (education & instruction).....	0-32.30
WELDING INSPECTOR (any industry).....	4-85.070
X-RAY TECHNICIAN (boilermaking).....	0-50.40
RIVETER, PNEUMATIC (agricultural equipment; boilermaking; railroad locomotive & car building & repairing).....	6-84.640

### RELATED FIELDS OF WORK

Bench Welding (Small Parts).....	6-X4.318
Welding and Related.....	4-X6.28
Welding and Riveting.....	6-X4.28

## WELLBORER (ARMY TRADE GROUP C)

Assists in setting up and operating well-drilling equipment: under supervision, sets up drilling rig; splices ropes and cables; hoists casing into position and lowers drill stem into casing, bolting drive clamp around drill bit; manipulates levers to control drill (rotary or percussion) and to drive casing; assists in fitting the pump to the casing; assists in sharpening drill bits.

### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

CLEAN-OUT-DRILLER HELPER (petroleum & natural gas production)	7-20.810
DIAMOND-DRILLER HELPER (bituminous coal mining; construction; metal mining)	7-75.410
DRILLING-MACHINE-OPERATOR HELPER (metal mining)	7-75.030
ROTARY-DRILLER HELPER (petroleum & natural gas production)	7-75.050
WELL DIGGER (construction)	7-32.941
WELL-DRILL-OPERATOR HELPER (construction)	7-75.220
WELL-POINT-PUMPMAN HELPER (construction)	7-32.652

#### II Occupations requiring brief additional training in the operation of various types of drilling machinery and equipment:

CHURN-DRILL OPERATOR (bituminous coal mining; metal mining; nonmetal mining; quarrying & sand & gravel)	5-75.240
DREDGE LEVERMAN (construction)	5-23.010
DREDGE PUMPMAN (construction)	7-72.530
DRILLER, MACHINE (bituminous coal mining)	7-75.010
DRILL-PRESS OPERATOR (marble, granite, slate, & other stoneworking)	6-69.180
TOOL DRESSER (petroleum & natural gas production)	5-75.280
WELL-POINT PUMPMAN (construction)	7-32.651

#### III Occupations requiring considerable additional training in methods of rigging and operating hoisting equipment; or in supervising the operation of specific types of drilling equipment:

CLEAN-OUT DRILLER (petroleum & natural gas production)	5-20.820
DIAMOND DRILLER (bituminous coal mining; construction; metal mining)	5-75.410
DRILLER, WATER WELL (any industry)	5-75.232
HOISTING ENGINEER (any industry)	5-73.520
RIGGER (cement; construction)	5-88.020
ROTARY DRILLER (petroleum & natural gas production)	5-75.050
WELL-DRILL OPERATOR (construction)	5-75.230

### RELATED FIELDS OF WORK

Drilling-Machine Operating	4-X2.494
Grinding and Tool Dressing	4-X6.315
Simple Structural Work, Assorted Heavy Materials	6-X4.209

## WELLBORER (ARMY TRADE GROUP B)

Sets up and operates well-drilling machine; sets up drilling rig; hoists tubular casing into position; selects proper tools for different strata; lowers drill stem into casing, bolting necessary connections; manipulates levers to control drill and drive casing; threads additional casings and drives them into well as hole is deepened; withdraws and disconnects metal casing; connects pump to well; makes running repairs to drilling machinery and equipment; dresses and tempers drill bits. May supervise a crew of Wellborers.

Must understand methods of recovering lost tools. Must have good working knowledge of under-reaming. Must have good general knowledge of steam or internal combustion engines for operation of drilling rig.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations not requiring additional training:

CHURN-DRILL OPERATOR (bituminous coal mining; metal mining; nonmetal mining; quarrying & sand & gravel).....	5-75.240
CLEAN-OUT DRILLER (petroleum & natural gas production).....	5-20.820
DRILLER, WATER WELL (any industry).....	5-75.232
RIG BUILDER (petroleum & natural gas production).....	5-20.840
RIGGER (III) (cement; construction).....	5-88.020
TOOL DRESSER (petroleum & natural gas production).....	5-75.280
WELL-DRILL OPERATOR (construction).....	5-75.230
WELL-POINT SETTER (construction).....	7-82.653

#### II Occupations requiring brief additional training in the operation of various types of drilling machines; or in technique of heat treating; or in methods of rigging cranes:

CABLE DRILLER (petroleum & natural gas production).....	5-75.270
CRANE RIGGER (any industry).....	5-88.040
DIAMOND DRILLER (bituminous coal mining; construction; metal mining).....	5-75.410
DREDGE LEVERMAN (construction).....	5-23.010
QUARRYMAN (III) (quarrying & sand & gravel).....	5-21.040
ROTARY DRILLER (petroleum & natural gas production).....	5-75.050
TEMPERER (V) (heat treating).....	4-87.310

#### III Occupations requiring considerable additional training in the operation of cranes, hoists, pile-drivers, or excavation equipment; or in technique of oil-well inspection; or in methods of rigging in logging operations:

DRAGLINE OPERATOR (any industry).....	5-73.320
DREDGE MATE (construction).....	0-88.12
DRILLING INSPECTOR (petroleum & natural gas production).....	5-76.350
HOISTING ENGINEER (II) (any industry).....	5-73.520
PILE-DRIVER OPERATOR (construction).....	5-23.610
POWER-SHOVEL OPERATOR (any industry).....	5-73.210
RIGGER (IV) (logging).....	4-30.320

### RELATED FIELDS OF WORK

Complex Rigging.....	4-X6.207
Drilling-Machine Operating.....	4-X2.494
Grinding and Tool Dressing.....	4-X6.315



## WHEELER (ARMY TRADE GROUPS C and B)

Manufactures wooden wheels and makes simple repairs and renewals to truck and wagon bodies: working from blueprints, lays out, saws, turns, shapes, planes, drills, glues, dowels and finishes wooden parts; uses wheeler's tool kit and inside and outside calipers, jointer, forge, anvil, tongs and centre punch; prepares, primes and paints or varnishes new and old woodwork; does rough blacksmith's work, including forging and heat treating tools; replaces steel tires on wheels; keeps in order and adjusts all tools and woodworking machines; sharpens cutting tools and twist drills.

Must have knowledge of trigonometry. Must know strengths and weights of various woods. Must have knowledge of lumber storage, seasoning and preservation.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

WHEELWRIGHT (any industry).....	7-83.881
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#### II Occupations requiring brief training in methods of laying out, cutting, shaping and assembling furniture and small wooden articles; or in repairing wooden auto bodies or wagons:

AUTOMOBILE-BODY REPAIRMAN, WOOD (automotive services).....	5-81.520
CABINETMAKER APPRENTICE (woodworking).....	7-99.815
CARPENTER, BENCH (woodworking).....	5-25.010
CARPENTER, SHOP (motion picture).....	5-25.340
DOOR MAKER (planing mill).....	6-34.040
LAST REPAIRMAN (boot & shoe).....	4-61.881
MOCK-UP ASSEMBLER (aircraft manufacturing).....	5-17.240
TOY MAKER, WOOD (toys, games, & playground equipment).....	5-13.011
WAGONSMITH (any industry).....	4-86.015
WOOD REPAIRMAN (automobile manufacturing).....	6-39.997

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#### III Occupations requiring additional training in the operation of various measuring devices and heavy machines used in the manufacture and assembly of metal wheels:

WHEEL-ALINEMENT MECHANIC (automotive services).....	5-81.210
WHEEL BALANCER (automobile manufacturing).....	7-02.728
WHEEL BORER (railroad locomotive & car building & repairing).....	6-78.214
WHEEL FITTER (railroad locomotive & car building & repairing).....	5-79.020
WHEEL GAGER (railroad locomotive & car building & repairing).....	5-05.030
WHEEL INSPECTOR (railroad transportation).....	7-76.040
WHEEL-LATHE OPERATOR (railroad locomotive & car building & repairing).....	6-78.166
WHEEL-SHAFT ROLLER (forging).....	6-88.011
WHEELWRIGHT (automotive services).....	7-81.210

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### RELATED FIELDS OF WORK

Miscellaneous Structural Crafts.....	4-X6.209
Miscellaneous Wood Structural Work.....	6-X4.229

## WINCHMAN (ARMY TRADE GROUP C)

Operates and maintains steam or electric winches: raises, lowers, or moves heavy objects by means of hand or power winch, obeying hand signals of Hatch Tender; manipulates levers to control raising, lowering or turning of load; checks hoisting gear and equipment; lubricates and makes minor repairs to winches.

Must know safe working load for equipment used. Must have thorough knowledge of the Regulations of the Safety Code Governing Port Companies of the Canadian Army, as applicable to Winchmen.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BOAT LOADER (petroleum refining).....	7-47.300
HOISTER (leather manufacturing).....	8-59.01
WINCHMAN, CARGO (water transportation).....	7-73.730
WINCHMAN, DREDGE (metal mining).....	7-73.720
WINCHMAN, PILE DRIVING (construction).....	7-23.610
WINCHMAN, STEAM (wood preserving).....	7-73.710

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#### II Occupations requiring brief training to learn the operation of various types of simple hoists and cranes:

COAL-TOWER OPERATOR (water transportation).....	5-73.085
CRANE OPERATOR, PORTABLE (ship & boat building & repairing) ...	7-73.010
CUPOLA HOISTMAN (foundry).....	7-73.510
GRAIN-ELEVATOR MAN (grain and feed milling).....	6-08.011
HOISTMAN (bituminous coal mining; metal mining; nonmetal mining)....	5-73.510
HOISTING ENGINEER (any industry).....	5-73.520
PUFFER MAN (bituminous coal mining).....	7-73.520

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#### III Occupations requiring considerable additional training in the operation of special electrical and other power hoisting equipment:

DERRICK-BOAT OPERATOR (any industry).....	5-73.750
ELECTRIC-BRIDGE-CRANE OPERATOR (any industry).....	5-73.010
ELECTRIC-GANTRY-CRANE OPERATOR (any industry).....	5-73.040
ELECTRIC-MONORAIL-CRANE OPERATOR (any industry).....	5-73.020
LADLE-CRANE MAN (iron & steel).....	5-73.030
LOCOMOTIVE-CRANE OPERATOR (any industry).....	5-73.060
MANIPULATOR OPERATOR (forging).....	5-73.047

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### RELATED FIELDS OF WORK

Hoisting Machine Operating.....	4-X2.493
Hoisting Machine Operating.....	6-X2.493

## WORKSHOP FOREMAN (FIELD HYGIENE SECTION) (ARMY TRADE GROUPS C and B)

Supervises construction of sanitary appliances made of wood, tin, sheet metal, brick or concrete: makes or supervises making of wooden field sanitary appliances such as boxes, fly traps and grease traps; supervises or assists in the making of tin or sheet metal appliances such as funnels, cans, metal boxes, metal facings and lining for boxes; supervises installations for water or sewage disposal; constructs or supervises construction of brick or concrete incinerators; plans installations and prepares estimates of time and materials required; uses standard tools of bricklayer, carpenter and tinsmith; supervises, directs and controls subordinates.

Must be qualified as Bricklayer, Carpenter or Tinsmith. Must be able to read blueprints and use charts. Must have knowledge of arithmetic. Must have good knowledge of Army Manual of Hygiene and Sanitation.

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### RELATED CIVILIAN EMPLOYMENT

**Dictionary of  
Occupational  
Titles - Codes**

#### I Occupations not requiring additional training:

BRICKLAYER (construction).....	5-24.010
BRICKLAYER, FIREBRICK (any industry).....	7-24.110
BRICKLAYER, SEWER (construction).....	5-24.020
CARPENTER (construction).....	5-25.110
FORM BUILDER (construction).....	5-25.240
METAL-BOX MAKER (tin can & other tinware).....	4-80.010
TINSMITH (sheet metal work).....	4-80.010

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#### II Occupations requiring brief additional training in methods of fumigation, or other types of insect, vermin and weed control:

BINDWEED ERADICATOR (agricultural & horticultural service).....	3-31.10
DISINFECTING MAN (leather manufacturing).....	7-89.111
FUMIGATOR, ORCHARD (agriculture).....	3-40.11
MOTH PROOFER, RUG (cleaning, dyeing, & pressing).....	7-57.812
SCOUT (agricultural & horticultural service).....	3-31.30
TERMITE TREATER (business services).....	5-59.950
TREE SPRAYER (agriculture).....	3-40.12

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#### III Occupations requiring considerable additional training in techniques of sanitary engineering; or in methods of inspection of sanitary or safety conditions:

FOOD AND DRUG INSPECTOR (governmental services).....	0-95.11
PURIFICATION-PLANT OPERATOR, CHIEF (professional & kindred).....	0-16.01
SAFETY INSPECTOR (governmental services).....	0-95.93
SANITARY ENGINEER (governmental services).....	0-16.01
SANITARY INSPECTOR; <i>Public Health Inspector</i> (governmental services).....	0-95.16
SANITARY TECHNICIAN (professional & kindred).....	0-66.41
SEWAGE-DISPOSAL ENGINEER (professional & kindred).....	0-16.01

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### RELATED FIELDS OF WORK

Bricklaying.....	4-X6.232
Protective Service Work.....	0-X6.25
Sheet Metal Work (Shop).....	4-X6.313
Wood Structural Work (Carpentry).....	4-X6.220



## WORKSHOP SUPERVISOR (ARMY TRADE GROUP B)

Supervises operation of repair shops in Returned Stores Depot; supervises the operation of boat repair, saddler, tailor and textile shops repairing Ordnance equipment; supervises operators of boot repair machinery and sewing machine operators; estimates time and materials required in carrying out any repair job in the above mentioned trades; compiles daily, weekly or monthly workshop reports; supervises the maintenance of machinery and equipment used.

Must have thorough knowledge of workshop accounting procedure. Must have general knowledge of all Ordnance non-technical trades.

### RELATED CIVILIAN EMPLOYMENT

Dictionary of  
Occupational  
Titles - Codes

#### I Occupations requiring brief on-the-job training:

FOREMAN (boot & shoe).....	5-92.131
FOREMAN (carpet & rug).....	5-91.261
FOREMAN (felt goods).....	5-91.291
FOREMAN (garment).....	5-91.301
FOREMAN (hat & cap).....	5-91.271
FOREMAN (hosiery).....	5-91.241
FOREMAN (knit goods).....	5-91.242
FOREMAN (leather manufacturing).....	5-92.101
FOREMAN (leather products).....	5-92.111
FOREMAN (textile).....	5-91.201

#### II Occupations requiring considerable additional training to learn techniques of purchasing, or inspection, or of supervision and administration:

BUYER ASSISTANT (retail trade).....	0-74.12
GARMENT EXAMINER (retail trade).....	7-59.010
HIDE INSPECTOR (leather manufacturing).....	6-59.437
INSPECTOR (boot & shoe).....	4-61.861
MANAGER, FLOOR (retail trade).....	0-74.12
MANAGER, PRODUCTION (any industry).....	0-97.51
PURCHASING AGENT (any industry).....	0-91.60
SORTER (leather manufacturing).....	4-59.912

### RELATED FIELDS OF WORK

Close Visual Inspection.....	4-X6.381
Managerial Work (Clerical, Administrative, Fiscal, Sales).....	0-X8.10
Managerial Work, Manufacturing.....	0-X8.41

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